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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, DECEMBER 17, 1924

No. 25

DYESTUFFS

INTERMEDIATES

PHARMACEUTICALS

Calco

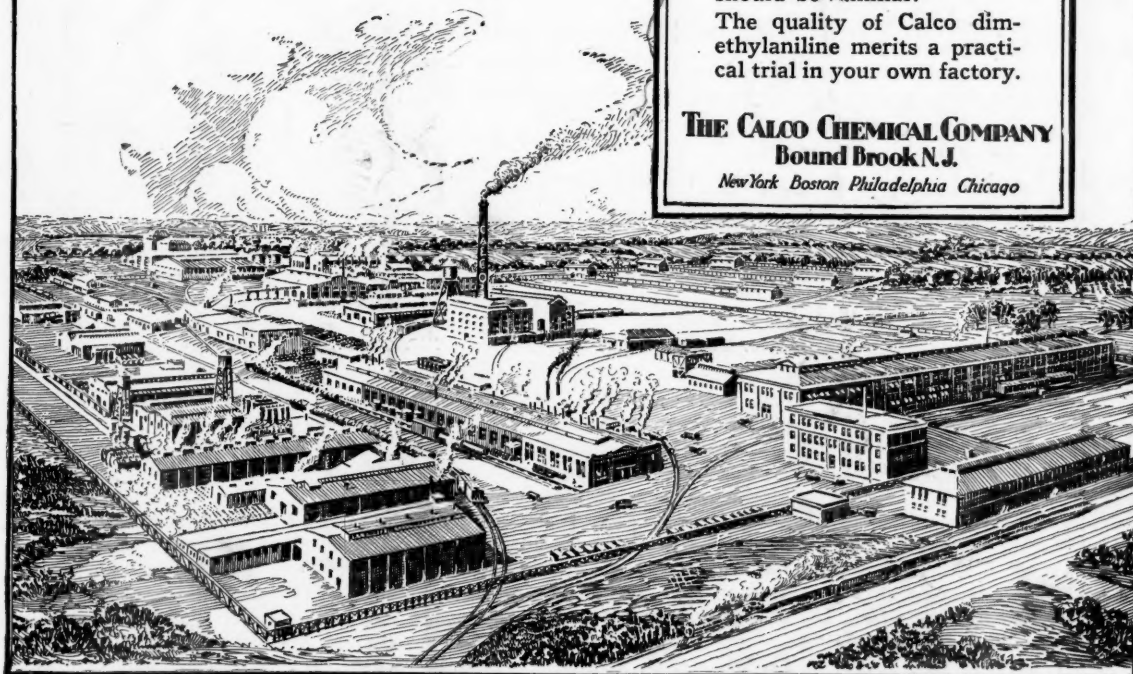
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In This Issue { *The Quebracho Monopoly*
Upturn In Potash Permanganate

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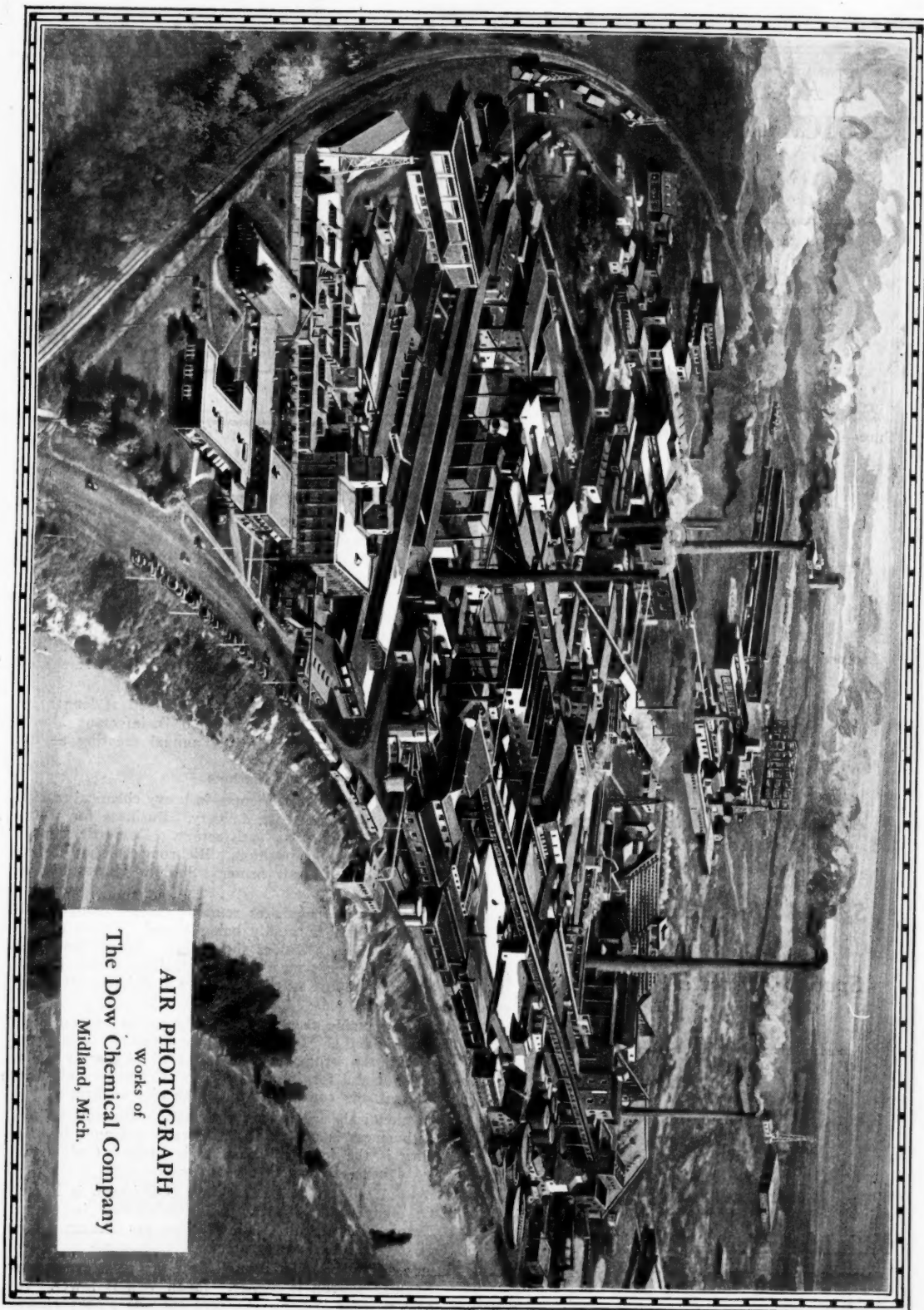
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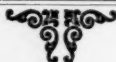
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DRUG & CHEMICAL MARKETS

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VOLUME XV

No. 25

The Week in Brief

News

Germany is said to be forming a new dye trust with
three times the pre-war capital of the I. G., with the
purpose of capturing the world trade in colors and
building up the industry that supplies explosives and
poison gas.

The Synthetic Organic Chemical Manufacturers' Asso-
ciation of the United States listened to addresses by
Dr. Charles H. Herty, and Francis P. Garvan at the
annual meeting, Dec. 13. Dr. Herty was re-elected
President.

"Co-operative Advertising" was discussed at length by
members of the Insecticide and Disinfectant Manu-
facturers' Association at the annual meeting at the
Hotel Astor.

Markets

Another quiet week experienced in heavy chemical market
on sales for immediate delivery. Business for future
delivery reported as satisfactory. Domestic copper
sulfate in strong position. Bichromates shaded fur-
ther. Glauber's salt firmer. Sodium nitrate higher.
Oxalic acid firm.

Demand for intermediates remains quiet although con-
tract business is rapidly being closed. Prices remain
generally firm. Crudes show slight changes from last
week. Benzene steady. Naphthalene firm. Phenol
lower. Pyridine much weaker on spot. Solvent naph-
tha unchanged.

Market remains firm in fixed oils owing to continued
demand and shortage of available supplies. Chinawood
maintains a strong position. Linseed oil sharply higher
on spot and for future delivery. Cottonseed oil firm.
Animal oils continue firm. Fish oils unchanged.

Fine chemicals are in active demand, although volume
of business is not up to last week. Advance in mer-
cury is the feature. Menthol is easier. Codliver oil
is higher. Bromides are active.

Essential oils are still advancing. Oil lemon is higher.
Oil peppermint firmer. Oil sandalwood is scarce.
Terpineol is weak. All balsams are strong. Java
oil citronella is scarce.

Crude drugs are quiet though firm. Gingers are scarce.
Spanish saffron is higher. Japan wax is lower. In-
sect powder is firm. Cascara sagrada stocks closely
held on coast.

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NEW YORK CITY

DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, DECEMBER 17, 1924

No. 25

WEEDING OUT FAKE INSECTICIDES

Insecticide manufacturers will be in sympathy with the efforts of the Insecticide and Fungicide Board of the Department of Agriculture in its efforts to eliminate fake preparations for killing the boll weevil, and weak insecticides which will not accomplish the results promised. By weeding out the useless brands the Board strengthens the confidence of the farmer and other users of insecticides, and the market for genuine material is thereby improved. With every epidemic of parasites new companies spring into existence and place on the market worthless remedies, which they advertise extensively. Once "stung" the purchaser loses faith in everything offered and the legitimate manufacturer suffers. Adulteration, substitution of useless products for high priced but effective materials, false or misleading statements on labels make the manufacturer liable to criminal prosecution. Out of 824 samples the Board found 87 were violating the law. More than 300 manufacturers changed their methods when the Board pointed out the misrepresentations on their labels.

TANNIN—WHERE FROM IN 1974?

When a copper mine has worked out all of its four per cent porphyry ore, it turns to the three per cent areas, and from these down the line until the one-and-a-half per cent grades are reached. After this last is worked out, the claim is generally abandoned, as far as mining copper is concerned. In the production of tanning extracts from natural woods, chestnut is fast fading out of the picture as a result of the country-wide blight. For many years, chestnut bark has supplied the big bulk of natural tannin in this country. The use of other barks, oak, hemlock, and some of the foreign ones, such as wattle, quebracho, are gradually being used to cover up the shortage of chestnut. Slowly the change down the scale of natural tannins is being made, from the satisfactory to the less satisfactory, and so on, until at some future date, the tan bark situation of the world is only too likely to resemble that of the old copper mine where it does not pay to work the residual ore.

The annual report of the Department of Agriculture, in its section dealing with tanning materials, points to a partial solution of the tannin problem, when it says: "Chestnut wood furnishes approximately 75 per cent of our domestic supply of vegetable tanning materials. Because of the rapid destruction of the chestnut tree by the blight, the leather industry will soon require new sources of tannin, for which reason it is considering the introduction and propagation in this country of

foreign tannin-bearing trees and plants. In this connection information has been collected on wattles, some of which in South Africa and Australia produce an excellent tan-bark. In cooperation with the blight investigations of the department, examination and analysis have been made of wood and bark from chestnut trees showing different degrees of blight resistance.

"Possible sources of tannin among our domestic materials are being investigated. During the past year a number of domestic materials have been analyzed for tannin. Eucalyptus bark and certain redwood samples were found to contain from 5 to 8 per cent tannin. One sample of screened crystals from redwood cones showed 76 per cent tannin, and an unscreened sample showed 55 per cent. These findings confirm the findings of a previous analysis of a powder from sequoia cones which showed 73 per cent tannin. The tannin seems to be almost entirely of the catechol class, and is accompanied by much objectionable red coloring matter. It is believed that large quantities of the cones will be available in a few years if reforestation programs are carried out."

Reforestation on a big scale is undoubtedly one solution of the problem. Investigation of the possibility of using barks not now used, is a step merely to postpone that evil day when all readily available natural tannins will be used up. Reforestation is the real answer, but what private enterprise in the manufacture of tanstuffs will look forty or fifty years ahead, or really cares if supplies of natural tanning materials are depleted then, if they can make money to-day?

Is it to be reforestation or chemical synthesis of tannins? The Tanners' Council has just established a tanning research laboratory at the University of Cincinnati, which is significant. For the chemical industry, the tanstuff problem of fifty years hence is unquestionably an opportunity; for the leather industry, it remains a problem.

A BLUNDER, OR IS SOMEBODY SHORT?

One of the largest chemical corporations in this country has just been cited by the Federal Trade Commission for alleged violation of the Clayton Anti-Monopoly Act. The citation is based on the fact that several years ago, the ownership of five big chemical companies was consolidated into one large holding corporation. The complaint states that the effect of acquisition of the stock of the chemical companies by a single corporation was materially to lessen competition between the individual companies, to restrain commerce in the products manu-

factured by the companies, and to create a monopoly in chemicals and coal-tar products required in the production of dyes and dyestuffs.

What inspired this citation by the Federal Trade Commission is unknown. The complaint may have come from within the chemical industry itself, may have originated in Wall Street, or may have originated with one of the governmental groups in Washington which seem to take great delight in casting monkey-wrenches into the cogs of business. Perhaps the steady improvement in the financial position of the corporation during the past three years is the motive behind the complaint, although this improvement has been gradual and devoid of the sensational. As for the elimination of competition, this charge is untrue, as the five companies produce widely different groups of chemicals and never were competitors. One or two of them do manufacture some raw materials for the others, but just how does this differ from Henry Ford's acquisition of iron and coal mines for the production of his own steel for the manufacture of automobiles? How does it differ from a thousand cases in this country where big manufacturers own companies which supply them with raw materials?

The charge of monopoly, however, would be quite serious, were it not at the same time humorous. If any chemical manufacturer in the United States has a monopoly of the production of any coal-tar crudes, intermediates, medicinals, or dyestuffs, he has it because he owns a patent or because there is not enough money in it to attract other manufacturers. With competition in every branch of the American chemical industry,—competition within the ranks as well as from abroad—entirely too keen for the good of the industry or the future of the chemical consumer as well, the cry of monopoly does not ring true. The five companies have competition, and sharp competition, in all the products which they manufacture.

Is it simply governmental blundering again, or has a powerful Wall Street short interest in the stock of the corporation been at work?

The recent sale of a proprietary preparation for \$2,500,000 illustrates the value of advertising. While the amount of the annual appropriation for publicity is not divulged, it is known in the trade that nearly every publication throughout the South carried reading notices of the product, never missing an issue of first-class mediums for reaching large communities. Would the curative powers of the medicine have brought the enormous demand for it if the advertising had been limited to occasional use of a few papers? We think not, at least not for years, but judicious advertising made it known in a comparatively short time.

A manufacturer's right to choose his customers is again upheld in the decision by Judge William Runyon of the U. S. District Court, Newark, N. J., who dismissed the suit brought by the Government under the Sherman Anti-Trust Act against a New Jersey company. When the Government brought a similar suit in 1917 in Virginia, the District Court

dismissed the indictment, and the U. S. Supreme Court affirmed the decision on appeal, holding that "in the absence of any purpose to create or maintain a monopoly, the act does not restrict the right of the company to decide with whom it will deal."

Ten Years Ago

From the Dec. 16, 1914, issue of "Drug & Chemical Markets":

The Harrison bill, governing the sale of narcotics in the United States, and its territories, passed the House of Representatives Dec. 10 and awaits the signature of the President before taking its place upon the statutes. The bill becomes effective Mar. 1, 1915.

In London, £11 5s a flask is asked for quicksilver by the Rothschilds, controllers of the Spanish mines at Almaden, all of which is handled from England. Exports from England have been forbidden since the war started, and now Italy has made a similar rule.

Although a leading authority on shellac in this market asserts that this product should be cheaper now than it ever was before, producers in India are attempting to advance prices, and at the close of last week a half cent advance had been forced home and quotations stood at 14½c@15c. for the T. N. grade.

Efforts are being made by Russian producers and shippers to get out a large cargo of ergot, lycopodium, sloe and juniper berries for the United States by way of Vladivostok and San Francisco. It is said that such a shipment will be made before the Siberian port is closed for the winter by the ice, and that spot stocks in this market will be replenished.

Embargoes announced in the last week by Great Britain and Germany had a decided influence on dealers in botanical drugs in this market. Senna, belladonna leaves, stramonium, and arnica are the articles included in the list. Aniline oil and picric acid are also under the ban.

A SIGN OF THE TIMES

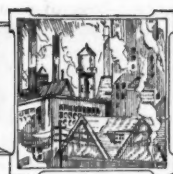


—Los Angeles Times.



Industrial Chemical

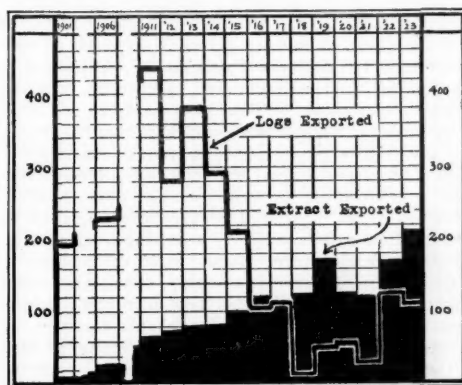
SECTION



A Survey of the Quebracho Monopoly

"La Forestal", or the Forestal, Land, Timber, and Railway Co., Ltd., has become synonymous with the quebracho monopoly of South America. This Argentine syndicate, for all practical purposes, controls the world's supply of the wood and extract. How its grip on this important tanning material has paralleled the development of quebracho over the past twenty-five years, is described in a survey just issued as Trade Information Bulletin, No. 295, as part of the Tanning Materials Survey by H. M. Hoar, and published under the direction of Wilbur J. Page, for the Department of Commerce. Salient features of the report and the conclusions of the investigator, have been extracted for their value to the American tanning industry. What will be the influence of this monopoly as the world's supply of visible tannin reaches the vanishing point some years hence?

—The Editors.



Exports of quebracho logs and extract from Argentina since 1901, a steady increase in extract exports and a decrease in the wood, meaning home production complete and a closer control of the industry by "La Forestal". Solid black represents extract exports; black line log exports, both in thousands of metric tons.

THE quebracho industry of South America, which within the last 20 years has assumed a monopolistic character, is controlled by powerful, highly organized concerns that conduct the business on pre-arranged lines. The forests of the Province of Santa Fe belong entirely to two such firms. The big tannic-acid factories in the eastern Chaco have been constructed with European capital and are operated under European administrative, scientific, and technical supervision.

By far the most important of the corporations engaged in the quebracho industry in South America is the Forestal Land, Timber & Railways Co. (Ltd.), popularly known as "La Forestal". While it does not control the entire output of quebracho extract, it nevertheless potentially controls the market, even to the exportation of logs, the bulk of which is reserved for its European and American subsidiaries. As a guaranty for heavy loans, La Forestal was obliged to take over large forests, and these forests it now owns.

"La Forestal" Owns Tannin Corp.

La Forestal possesses the whole capital stock of the Tannin Corp. of New York, which has a capital of \$1,500,000 United States currency. This company owns a factory at Greenpoint, Brooklyn, where it manufactures quebracho extract. In addition, it sells the solid extract of La Forestal, manufactured in Argentina.

Notwithstanding the unfavorable financial situation of

1921, La Forestal's activities were demonstrated in its acquisition of the total share capital of the Renner Co., of Hamburg, which held about 51 per cent of the shares of Gebruder Muller, of Benrath. In 1922 it acquired the whole of the remaining share capital of Gebruder Muller. The Renner and Muller companies own four factories which are engaged in the manufacture of both solid and liquid extracts from quebracho logs and other materials, such as wattle, etc. These companies have acted as distributors of Argentine solid quebracho extract for the European continent. La Forestal is also interested in an extract factory at Barcelona, Spain.

Use of Bisulfite Treatment

The phenomenal development of quebracho is mainly due to two factors: First, because it is the wood, and not the bark of the tree, that is valued for its tannin content, which averages 20 per cent of tannic acid, thus vastly increasing the bulk of raw material, and thereby rendering it one of the most economical of known tanning products. In illustration, it has been stated that two quebracho logs, weighing 1 ton each, will yield 1,200 pounds of extract, which will tan as much leather as 3 to 4 tons of oak bark, the latter requiring an acre of land for its production. Second, as a result of the discovery of Lepetit and Tagliana, two Italian chemists, of a chemical treatment of quebracho extract with sodium bisulfite or other sulfites under suitable condi-

tions, all loss of soluble tannin was prevented, and 'all the insoluble or "difficulty soluble tannins", were made available by solution. Thus was found a means of dissolving the "reds" and keeping them soluble, not only in cold water, but also in the acid liquor of the tan vat. As a result of the efforts of these chemists, quebracho extract so treated has become not only one of the cheapest but also one of the best tanning materials known for special types of leather adapted to certain specific purposes.

Quebracho Extinct 30 Years Hence?

About a score of years ago a conservative estimate, based on an average yield of 2 tons of wood per acre, placed the total possible supply of quebracho at 168,000,000 tons. With a yearly average cut of 1,000,000 tons for all purposes, stocks seemed practically inexhaustible. Later surveys estimate the present supply at 150,000,000 metric tons. But, judging by recent exports of quebracho extract (it requires $3\frac{1}{2}$ tons of heartwood to make 1 ton of solid extract) and quebracho logs, together with the amount of extract necessary to fill South American tanning requirements and the quantity essential for fuel, railway ties, posts, poles, construction needs, etc., the total annual consumption of quebracho wood at present must be considerably over 1,000,000 tons. Owing to the scattered occurrence of quebracho, this consumption entails annually a cutting over of more than 500,000 acres of forest land. Any calculations as to the duration of the present supply, based on present annual consumption, should also take into consideration the annual destruction by fire of available tonnage. It is estimated that loss from this source alone at least equals the total current growth. It is to be regretted that a resource so valuable and so limited in world distribution as quebracho is wasted so recklessly. There is no basis for anything more than an approximate estimate of the remaining stands of quebracho. Figures run from 30,000,000 to 170,000,000 tons. As the latter figure was apparently based on the Chaco being one unbroken forest of quebracho, a conclusion now known to be erroneous, its accuracy is open to question. Neither must the fact be lost sight of that quebracho has been cut in both Argentina and Paraguay for fuel, building, and other purposes during the past few hundred years. If the minimum estimate should prove correct, at the present rate of consumption, the quebrachales would be extinct in less than 30 years.

Contrary to the general rule obtaining in the realm of vegetable tannins, it is the rich, red heart of the tree that contains the highest percentage of tannin. Analyses of the quebracho tree for tannin content have, as a rule, resulted in the following: Heartwood, 25 to 28 per cent of tannin; sapwood (outer section), 3 to 4 per cent; and bark, 6 to 8 per cent. Up to the present only the heartwood has been utilized, the sapwood and bark being wholly discarded as sources of tannin. This waste is the more surprising when one considers that chestnut wood contains only 3 to 6 per cent of tannin, and that the tannin content of oak bark not infrequently runs as low as 8 per cent, yet both are very profitably employed as sources of tannin extracts.

Price Movements of Extract

Since 1906 the domestic price of quebracho extract has been subject to great variation, mainly because of syndicate control or lack of syndicate control, with subsequent overproduction. During the period from January, 1912, to July, 1915, the domestic price of solid quebracho extract was quoted at $4\frac{1}{4}$ to 3 cents a pound, suddenly advancing to 12 and 13 cents a pound in the later months of 1915 and breaking all previous records in January, 1916, when it reached a maximum price of 20 cents per pound. During the latter part of 1916 and

through 1917, however, it receded to 14 to 16 cents a pound. During 1918 the price of solid quebracho extract was fixed by the War Industries Board at $6\frac{1}{2}$ cents per pound, and 60,000 tons of extract were provided at this price for the production of leather required for war purposes. In 1919, after the release of this price control, it again increased to 13 to 15 cents per pound, but was quoted at $11\frac{1}{2}$ to 13 cents per pound in January, 1920, receding as low as $5\frac{1}{2}$ cents in December of that year. During 1921 prices ranged from $4\frac{1}{2}$ to 6 cents per pound and from $4\frac{1}{2}$ to $5\frac{1}{2}$ during 1922 because of the enactment of a 15 per cent ad valorem duty effective September, 1922, while during 1923 prices fluctuated between 4 and $5\frac{3}{4}$ cents per pound. New York quotations for the January-June period of 1924 varied from $4\frac{1}{2}$ to $3\frac{1}{2}$ cents per pound for ordinary as a result of overproduction in the South American market. Since steps have been taken to form and operate a new selling pool among the South American producers, the price has advanced to 4 cents per pound.

Conclusions for American Tanners

The following conclusions, reached through a careful investigation of the quebracho industry, are submitted for the serious consideration of American tanners:

1.—Inasmuch as the United States is the world's largest producer of leather, and as yet, its greatest consumer of quebracho—for which we are wholly dependent on foreign sources—it is plainly manifest that any curtailment in its output or restriction of its importation into this country by the foreign organizations that largely control its production, prices and distribution, would result in extensive loss to the American leather industry and to the consumers of its products.

2.—Domination of the quebracho industry by La Forestal and its subsidiaries may be regarded as an accepted fact. Through its superior financial status, ownership of the most extensive known stands of quebracho, the best equipped and largest capacity plants, railroads, river steamers, and other essential equipment for the facilitation of transportation, it is in position to substantially lessen, if not entirely eliminate competition. Thus, it is enabled to fix prices, and add to the cost of leather.

3.—While great achievements in the development of the tanning industry were, in large measure, effected by practical tanners in the past, who, through experimental tests with age-old methods, developed processes; yet these processes were not the outcome of an innate knowledge of the fundamental principles of tanning, but rather the result of years of experience in the tanning industry. To-day, however, the research chemist applies modern scientific knowledge to practically all industrial processes. Through such research American chemists doubtless could find suitable substitutes, and the best methods for their utilization, for quebracho and other vegetable tans.

4.—The ability of American tanners to cope with the conditions set forth in this report and at the same time maintain their present supremacy in the leather industry, involves on their part a most intelligent scrutiny of the present and future adequacy of tanning materials, with possible improvements in their use, and the urgency of aiding and encouraging American leather chemists in developing new substitutes.

5.—Since the question of foreign control of important tannins is bound to be a live issue to the United States tanning industry, it is obviously advisable that American interests should make all proper efforts to secure ownership of quebracho sources or long-time contracts for this essential raw material, with a view to procuring and maintaining such a hold as would guarantee future adequate supplies.

DR. REESE HEADS CHEMICAL ENGINEERS

Pittsburgh, Dec. 17.—The American Institute of Chemical Engineers met here Dec. 3 to 6, at Mellon Institute. Papers were read by Dr. E. R. Weidlein on "Chemical and Engineering Activities in the Pittsburgh District"; A. C. Fieldner on "The Pittsburgh Station of the United States Bureau of Mines"; David R. Kellogg on "Chemical Engineering Developments in the Electrical Field"; C. J. Rodman and W. C. Wilharm on "The Use of Explosives in Transformer Research"; W. F. Rittman on "Pittsburgh and Western Pennsylvania as a Power Center," and H. C. P. Weber on "Chemical Problems in Insulating Varnishes."

Officers elected are: President, Dr. Chas. L. Reese of E. I. du Pont de Nemours & Co., Wilmington; secretary, John C. Olsen, of Brooklyn Polytechnic Institute; treasurer, F. W. Frerichs, manager for Herf & Frerichs Chemical Co., St. Louis; auditor, David Wesson, technical director for Southern Cotton Oil Co., New York. The terms of the vice-presidents, H. K. Moore, H. S. Miner and Alfred H. White, and of the directors for two and three years had not expired. Directors for one year were elected as follows: H. C. Parmelee, editor "Chemical and Metallurgical Engineering," New York; Edward R. Weidlein, director of Mellon Institute, Pittsburgh, and Frederick C. Zeisberg, of du Pont Company, Wilmington.

Cincinnati was chosen for the next meeting place in December, 1925, with a Summer meeting at Providence, R. I., during the week beginning June 22. In 1925, also, a joint meeting with the British Institution of Chemical Engineers and the Society of Chemical Industry will be held in England.

CHEMICAL EMPLOYMENT SHOWS GAIN

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 17.—October chemical employment figures made public by the Bureau of Labor and Statistics, Department of Labor, were received from 97 chemical plants which gave employment in September as 22,034 increasing in October to 22,644, an increase of 2.8 per cent. The payrolls in these plants also increased from \$558,250 in September to \$584,254 an increase of 4.7 per cent.

Replies were also received from 69 chemical plants which gave employment in October of last year as 16,743 decreasing in the same month of this year to 15,503 a loss of 7.4 per cent. The payrolls in these plants also decreased from \$462,342 in October of last year to \$424,253 in the same month of this year a decline of 8.2 per cent.

BUTTERWORTH-JUDSON SUIT IS HEARD

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 17.—The Government's suit against Butterworth-Judson Corp. to recover \$519,631, part of the money advanced to the corporation during the war to aid the company in making picric acid, is being heard by the Supreme Court.

This balance of \$1,500,000 was seized by the Chase National and other banks just before the company went into the hands of receivers. The U. S. District Court and the U. S. Circuit Court decided against the Government and an appeal was taken to the U. S. Supreme Court.

A new French company, Societe Europeene de l'Ammoniaque, with a capital of 8,000,000 francs to engage in nitrogen fixation, has been formed with the co-operation of the S-A L'Air Liquide, according to foreign reports.

AMERICAN DYES CHEAPER TODAY THAN GERMAN PRE-WAR, SAYS HERTY

American Consumers Paying Less Than Rest of World for Colors, He Tells Synthetic Organic Meeting—Germany Out to Kill American Industry, Says Garvan—Dr. Herty Re-elected President

American consumers of dyestuffs pay less for their colors than the buyers of any other country in the world, Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association, told the annual meeting of the association, held at the Hotel Commodore, New York, on Dec. 12. He said in part: "American consumers are today paying less for dyes than are the consumers of any other countries of the world, and more than that, if the present day value of the dollar be taken into consideration, American dyes are being sold cheaper today in America than were German dyes before the war." He pointed out in detail that during the year 1923, 382,000,000 pounds of synthetic organic chemicals were sold, valued at \$165,000,000. In dyes, 177 new products were officially announced to the Appraiser of the Port of New York. Remarkable work has been done in the field of synthetic resins and an almost complete line of biological stains is now made in America. In commenting on the tariff Dr. Herty raised the question, "Why the need of its removal or its lowering?" Domestic consumers are profiting by the keenness of domestic competition in manufacturing and "we know that German prices bear no relation to cost of production."

Francis P. Garvan, president of the Chemical Foundation and former Alien Property Custodian, in his address before the meeting, said that the German cartel was out to kill the dye industry in America by any means. He flayed the Dawes Plan as giving Germany a chance to defeat American industry with the use of American dollars. He said in part: "Already the I. G. has come here under encouragement of the money lending proposition, has borrowed millions upon millions of American dollars, and has organized that fund in Wall st. to corrupt and break down the great progress which has been made. They seek to buy up this plant and that plant, not with their own money, but with American dollars."

F. J. H. Kracke, Appraiser of the Port of New York, pointed out some of the enormous difficulties that have had to be surmounted in administering the American valuation plan called for in paragraphs 27 and 28 of the Tariff Act of 1922, which requires that coal-tar products be appraised on the basis of the American selling price of a similar competitive domestic article.

In executive session, the following officers were elected for the ensuing year: President, Chas. H. Herty; vice-presidents, August Merz of Heller & Merz, Newark; S. W. Wilder of Merrimac Chemical Co., Boston; R. E. Dorland of Dow Chemical Co., New York; and P. S. Rigney of Roessler & Hasslacher Chemical Co., New York. Treasurer, F. P. Summers of Noil Chemical & Color Works, New York. Board of directors, P. S. Rigney, chairman, Chas. Herty (ex-officio), August Merz, S. W. Wilder, A. S. Burdick, R. E. Dorland, A. J. Farmer, W. F. Harrington, E. H. Killheffer, A. V. H. Mory, F. P. Summers, R. N. Wallach, Wm. S. Weeks, G. H. Whaley, and B. R. Tutison.

D. V. O. Co. is installing equipment at its chemical plant, Modesto, Cal. The company, of which Alexander Bonnington is chemical engineer and general superintendent, owns patents covering processes for the affixation of nitrogen from the air and making it into ammonia and fertilizers, and cyanide for fumigation work.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 1854-1856

COPPER SULFATE IN STRONG POSITION

High Copper Market Here Advances Imported Material to 5c lb.—Sodium Nitrate Advanced—Tight Position in Potassium Perchlorate—Nickel Sulfate Higher—Lead Salts Advanced—Bichromates Shaded Further—Market Continues Generally Firm

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Lead Salts, 1½c lb.	Advanced	Potassium Perchlorate, 4½c lb.
Nickel Sulfate, 2c lb.	Sodium Nitrate, 2½c per 100 lb.	
	Declined	
	Sodium Bichromate, ¾c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.11	\$1.11	\$1.11	\$1.23½	\$1.19½	\$0.7
Sulfuric Acid, 66 deg..ton	14.00	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.65	2.80	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate, c/1 100lbs.	4.60	4.60	4.60	4.60	20.00	4.50
Potash Caustic, Imp....lb.	.07½	.07½	.07½	.06¾	.87	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate....lb.	.08½	.08½	.08½	.09½	.65	.06¾
Sodium Prussiate, Imp..lb.	.09	.09	.09½	.11½	1.25	.18
Average	2.921	2.921	2.911	2.964	10.79	2.99

General quietness was reported in all quarters in the market for heavy chemicals over the week. While deliveries for December will reach a total not as far below November as in former years and consumers under contract are calling in large quantities of materials where the contract prices for 1925 are higher, still spot business is at a low ebb. The market as a whole is on a much firmer basis and business is being booked for delivery during 1925 at quoted prices. The climbing exchange value of sterling, which appears to be permanently on higher levels, has had a decided strengthening effect on many products. The ability of manufacturers to maintain steady prices in practically all cases during this period of the year, with very few instances of liquidation reported, is looked upon as a favorable sign, since it tends to prove that the feeling exists in all quarters that far better business will be experienced over the first quarter of the coming year. The rise in the copper market as well as the higher value for sterling has placed domestic copper sulfate in a strong position since nothing can now be imported below 5c per pound. Bichromates were shaded further this week. Prussiates are considerably firmer.

Acid Acetic—Continues in firm position owing to increasing demand and upward tendencies of raw materials. Prices quoted by manufacturers unchanged, 28%, \$3.12@3.37; 56%, \$5.85@6.10; glacial, \$11.01@11.76 per 100 lbs.

Acid Formic—Easier and slightly lower in price. Quoted at 10½c@11c lb. for 85%, and 11½c@12c lb. for 90% material.

Acid Lactic—Makers report steady demand at recently advanced prices. Quoted, 22% dark, 5½c@6c lb.; 22% light, 6½c@7c lb.; 44% dark, 11½c@12c lb.; 44% light, 13½c@14c lb.; 66% dark, 18½c@19c lb.; 66% light, 28c@30½c lb.

Acid Oxalic—Moving in fair volume at quotations of 9½c@9¾c lb. works, for domestic, and 9½c lb. for im-

ported. Attempts to better these prices have not met with success.

Acid Phosphoric—Spot demand reported dull but contract business satisfactory. Manufacturers quote, 7c@8c for 50%, and 15c@17c for 85% syrupy.

Acetic Anhydride—Spot business reported quiet but future business improving. Named at 38c@43c lb. for 85-89% material, and 41c@45c lb. for 90-95% as to seller, with slightly better prices in 1,000 lb. lots.

Acetone—Steady demand reported by makers at recently lowered prices, 14c@17c lb. as to seller and quantity.

Ammonium Chloride—Increasing demand reported with prices steady at 7½c@8c lb. for white domestic, and 8c@8½c lb. for gray; for imported, 6c@6½c lb. for white, with shipment named at 5¾c lb.; and 7¼c@7¾c lb. for gray.

Arsenic—Market steady although large supplies are available and not very large quantities are moving. Spot goods continue to bring 6c@6½c lb.; Japanese firm at 6c lb. German arsenic has declined and is now available at 6c lb.

Barium Products—Chloride continues weak owing to very poor demand and prices remain \$61@63 ton, spot, for imported, with domestic still quoted at \$70@72.50 ton. Carbonate also weak and quoted at \$52@54 ton.

Bleaching Powder—Contract business continues good but spot business far below last week. Spot bleach is now reported available at 1924 prices. Makers' prices or 1925, \$1.90 for carlots of large drums on contract. L.c.l. \$2.05; spot works price 10c above contract price.

Calcium Acetate—Firm with upward tendencies. Price unchanged, 3c lb. in carlots of bags.

Copper Sulfate—Domestic product in a very firm position owing to the fact that the higher copper market here is having its effect on the imported material which is made from copper exported from this country. Importations from Germany at the present time figure a price of \$5.00 per 100 lb. Domestic continues to be quoted at \$4.60@4.65 in carlots. Material is still available in some quarters at \$4.50.

Copperas—Demand increasing and contract business satisfactory. Makers quote, in carlots, \$13.00 ton, bulk; \$16.00, bags; \$17.00, barrels.

Glauber's Salt—Imported material lower at 80c@85c lb. Domestic holding steady at \$1.15@1.65 as to quantity and packing.

Potash Caustic—Firm at unchanged prices, 7½c@7¾c lb. for imported and domestic products.

Potassium Perchlorate—Sharply higher owing to small supplies on hand and lack of supplies abroad. Germany not producing under Reparations Agreement. Spot stocks firmly held at 14c lb.

Prussiates—Very firm owing to higher replacement values for the imported products and increased demand. Inquiry for sodium prussiate for export to South America reported. Yellow potassium quoted at 17c@17½c lb.; red, 36½c@37c lb.; sodium yellow, 9¼c@9½c lb.

Soda Ash—No new developments, contract business satisfactory. Contract prices, 58% light, \$1.25, bulk; \$1.38, bags; \$1.63, barrels, carlots, works.

Soda Caustic—Contracts reported closed in greater

proportions than for 1924. Contract prices, \$3.10 for carlots of solid 76% at works. Makers name \$3.75@ \$3.91 for spot business in less than carlots of solid, and \$4.16@ \$4.31 for flake.

Sodium Bichromate—Shaded further in some quarters and now quoted at 6¼¢@6½¢ lb. in carlots at works.

Sodium Nitrate—Higher owing to increased demand and further rise in sterling. Crude quoted at \$2.45 per 100 lb. for spot carlots; futures named at \$2.47@ \$2.51.

Sodium Sulphide—Firmer and spot business is bringing 2¢@2½¢ lb. as to seller and quantity.

Sodium Nitrate—Advanced further and now quoted at \$2.45 per 100 lb. for spot carlots. Futures are quoted at \$2.47@ \$2.51.

Metals

A further upward movement was recorded in the metal market over the week. Antimony was steady at 14¼¢ @14½¢ lb.; copper advanced and was quoted at 14½¢@ 14¾¢ lb. for electrolytic, and 14¾¢@14¾¢ for Lake; lead recorded a further advance to 9¼¢@9¾¢ lb. spot; tin was higher, 55¼¢ lb. for Straits, 55½¢ lb. for standard, and 54½¢ lb. for 99%; zinc rose to 7½¢ lb. for common slabs.

FIX POTASH PRICES FOR 1925

Potash Importing Corporation of America, distributors in this country for German Potash Syndicate products, has announced its schedule of prices for the coming year, guaranteed against decline until April 30, 1925. No change is made in any product from the prices now in force.

	Bags.	Bulk.
Muriate of potash 80 to 85 per cent, basis 80 per cent	\$34.55	\$36.30
Sulphate of potash 90 to 95 per cent, basis 90 per cent	45.85	44.60
Sulphate of potash-magnesia 48 to 53 per cent, basis 48 per cent	26.35	25.10
Manure salt 30 per cent	19.03	17.03
Manure salt 20 per cent	12.55	10.55
Kainit 14 per cent	10.25	8.25
Kainit 12.4 per cent	9.75	7.75

A lead merger capitalized at £2,050,000, has been formed in London, to take effect Jan. 1, 1925, according to cable advices received by the "Daily Metal Reporter." The name of the new company is the Associated Lead Manufacturers, Limited, which has been organized to take over Cookson & Company, Ltd., of Newcastle; Locke, Lancaster & W. W. & R. Johnson & Sons, Ltd., London; and Rowe Bros. & Co., Ltd., Liverpool. The holding company is composed of representatives of each of the three companies with Clive Cookson as chairman.

That a stable bleaching powder containing 80 per cent of available chlorine is possible is the claim of two Japanese chemists, H. Matsui and H. Suzuki, who state in the "Journal of Chemical Industry," Japan, that by using lime free from carbonate, excluding carbon dioxide, and with effective drying, such a product can easily be produced.

International Match Corp. has obtained practical control of the Japan Match Co. Control of the production of amorphous phosphorus has been secured by the new arrangement to limit the output and increase prices for a period of 5 to 10 years.

St. Louis Section of the American Chemical Society has instituted an educational campaign in the local high schools, by supplying speakers on practical chemical subjects largely of an industrial character.

Electro Chemical Co., Merriton, Ont., is erecting a plant for the production of nitric acid by the fixation process.

Heavy Chemical Notes

Fire resisting varnishes are reported being made in a German plant which is also manufacturing a new non-inflammable paper.

H. O. Lichenwalter, formerly with O'Bannon Co., is now on the staff of the executive vice president of Merrimac Chemical Co.

Dr. F. G. Cottrell, director of the Fixed Nitrogen Research Laboratory of the Department of Agriculture, has made a report on his work during 1924.

Assets of the bankrupt American Range & Foundry Co., St. Paul, Minn., are reported by Trustee C. D. Maclaren to be \$435,000 against claims of \$750,000.

The French law suppressing the match monopoly has been abrogated by the Herriot administration and reinstated. Approximately \$4,000,000 profits were obtained for the fiscal year 1923 from the monopoly.

Geo. B. Morgan & Co., who for more than forty years past have dealt in industrial chemicals and dyestuffs at 32 No. Front st., Philadelphia, moved this week to the Bourse Building, 5th and Market sts.

Suit for damages by Thompson, Monroe & Robbins Chemical Co., Kansas City, against G. S. Robbins and G. S. Robbins & Co., St. Louis, instituted last March, has been withdrawn with costs and prejudice to the plaintiff.

John F. Falkingham, of the New York office of Ellis Jackson & Co., arrived at Naples, Dec. 9, and after visiting Italy, France, Germany, Belgium, and England, on business for the firm, will sail from Liverpool to arrive in New York about Jan. 20.

Mausser Handelsgesellschaft, established in Germany for over 25 years, has opened an office at 110 William st., New York, under the name of The Mauser Barrel Co., Inc. Many orders have been received for the Mauser bilged barrel, which is made with or without removable heads.

Howard Huff, paymaster and cashier of National Carbon Co., Niagara Falls, N. Y., lost his life in saving a cash payroll from bandits. Huff was shot through the head and instantly killed, and his assistant, John Weaver, was shot in the leg, but succeeded in capturing one of the assailants.

New rates of the New York Central Railroad on chloride of lime in carlots from Depew and Suspension Bridge inclusive to Ausable Forks, Willsborough and Hudson, have been fixed by the Public Service Commission at 28.5 cents per hundredweight, an increase of 1.5 cents, effective Dec. 29.

The du Pont Pathe Film Manufacturing Corp. in which the E. I. du Pont de Nemours & Co., the Pathe Cinema of France and the Pathe Exchange, Inc., of New York, hold the stock interest, has been incorporated to insure an outlet for the picture films which the du Ponts are manufacturing.

The total production of arsenic in Canada in 1923 was 7,344,202 pounds, according to revised statistics issued by the Dominion Government. This included 6,071,232 pounds of white arsenic produced by the silver smelters of Ontario, and 1,262,970 pounds of white arsenic contained in arsenical gold ores and concentrates exported from British Columbia and Nova Scotia.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1862

PYRIDINE AVAILABLE AT \$3.70 PER GAL.

Absolute Lack of Demand Weakens Market—Phenol Lower—Benzene Steady—Solvent Naphtha Continues Dull—Intermediates Generally Firm—Contracting Greater Than Last Year—Aniline Oil Firm—Spot Business Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Declined
Phenol, 1c lb.		
Pyridine, 15c gal.		

	Trend of the Market					War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Benzene, pure .....	.25	.25	.25	.21	\$1.10	.25	
Naphthalene, flake .....	.05½	.05½	.05½	.06½	.16	.03	
Phenol, Spot .....	.25	.25	.25	.26	1.50	.08	
Toluene .....	.26	.26	.26	.23	...	...
Aniline Oil .....	.16	.16	.16	.16	1.40	.10½	
Alpha-naphthylamine .....	.35	.35	.35	.35	1.28	...	
Benzaldehyde .....	.70	.70	.70	.75	...	...
Betanaphthol .....	.24	.24	.24	.26	1.50	.08	
Dimethylaniline .....	.35	.35	.35	.39	1.30	...	
Paranitroaniline .....	.66	.66	.66	.73	1.58	.18	
Average	0.327	0.327	0.327	0.340	...	...

Although in many quarters spot business in intermediates for the week is reported dull, shipments for December are expected to reach an amount equal to 75 per cent of the total for November. Production of crudes improves very little and the demand for most of them remains sufficient to hold prices at recent levels. A decided increase in production may come about very suddenly and then a shading of prices may be expected. Phenol has weakened due to lack of demand, and pyridine has weakened for the same reason. The market generally has a very firm tone.

Crudes

Benzene—Production slightly increased during the past week and the demand continues to be sufficient to maintain prices at present levels. The industrial demand is reported to be very good this month owing to varnish manufacturers stocking for January orders. Steel mills are consuming coke at a rate far in excess of coke production and within 30 days the reserve coke stocks should be sufficiently depleted so that full operation of the coke ovens will be necessary. This will bring about a large increase in benzene production and a lowering of the price. Prices quoted are 25c gal. for pure in tanks at mills, and 30c gal. in drums; 90° in tanks, 23c gal. and 28c in drums.

Cresylic Acid—Market continues weak owing to lack of demand. Prices unchanged, 55c@60c gal. spot for 95% dark; 97-99%, 60c@65c gal.; in drums. Some goods continue to change hands at 58c for 97-99%.

Naphthalene—Demand increasing for immediate delivery and contract business reported as being closed in increasing volume for the coming year at quoted prices. Makers name, 5½c@6c lb. as to quantity for flake; 6½c@7c lb. for balls in barrels at works; chipped, 5c lb.

Phenol—Weaker and lower in price from makers owing to poor demand, and now quoted at 23c@26c lb.

as to packing; 23c lb. in indestructible drums, and 24c @25c lb. in destructible drums. These prices are reported as being shaded in many instances and sales at 22c lb. are said to have been made.

Pyridine—Much weaker and lower in price, goods being freely offered at \$3.70@\$3.80 lb. gal. spot, and as low as \$3.60 quoted in some quarters with indications of shading on a firm offer.

Solvent Naphtha—Continues to move in routine quantities at prices from refiners of 22c@25c gal. in tanks, and 27c@29c gal. in drums at works.

Acid Anthranilic—Manufacturers report a steady demand at 94c lb. for technical in drums.

Acid H—Remains dull at unchanged quotations from manufacturers of 72c@75c in 275-lb. barrels at works.

Acid Laurent's—In steady demand from makers at price of 90c lb. in 250-lb. barrels.

Acid Monosulphonic F Delta—Regular routine demand reported at unchanged price of \$2.10 per lb. in 50 lb. tins.

Acid Naphthionic—Moving in fair volume at recent levels, manufacturers continue to name 62c@65c lb. as to quality, barrels, works.

Aniline Oil—Remains in very firm position with upward tendency due to higher costs of raw materials. Prices are not likely to be increased while the contracting season is on but rather after the first of the year. Makers continue to name 16c@17c lb. in 900 lb. drums.

Beta-naphthol—Contract business reported closed by makers in greater proportions than at this time last year. Spot demand poor. Price for coming year 24c lb. in less carlots.

Diethylaniline—In steady demand at recently advanced price of 60c@62c lb. from manufacturers.

Dimethylaniline—Continues in fair demand at makers prices of 35c@37c lb. in 400 lb. drums.

Nitrobenzene—Reported quiet by manufacturers who name 9c@9½c lb. for crude, and 9½c@10c lb. for the redistilled product in 1,000 lb. drums at works.

Ortho-nitrotoluene—Several manufacturers continue to report a sold-up condition, but shipments are still to be had 8c@9c lb.

Ortho-toluidine—Demand continues to increase and very firm at manufacturers' prices of 17c@18c lb.

Para-nitroaniline—Reported moving in fair volume at unchanged prices of 66c@67c lb.

Para-phenylenediamine—In steady demand and very firm at recent levels of makers, \$1.25@\$1.30 lb. in 300 lb. barrels at works.

Para-toluidine—Continues dull at unchanged prices of 75c@80c lb. from makers.

Swiss importation of dyes and colors, including crudes and intermediates, for 1923 amounted to 18,102,000 francs against 11,402,000 francs for 1922. Lloyd A. Nolan of the Chemical Division, Department of Commerce, says that exports of Swiss dyes to the United States fell from 20% of the total production in 1914 to 5.4 per cent in the first six months of 1923.

BOARD FIXES DUTY ON H. A. METZ DYES

Fixing the duty on alizarine blue black B and alizarine blue black BBB powder in the case of H. A. Metz & Co. against the United States, the Board of United States General Appraisers affirmed the findings of a general appraiser who assessed the dyes at \$1.75 per pound as competitive with similar dyes produced in the United States.

In reappraisalment 17183-A the merchandise was exported by Friedr. Bayer & Co., the date of certification being at Cologne, Germany, March 3, 1923.

In reappraisalment 17958-A the merchandise was exported by Farbwerke vorm. Meister Lucius & Bruning from Höchst, Germany, the date of certification being April 7, 1923.

And in reappraisalment 20990-A the merchandise was exported by Farbenfabriken vorm. Friedr. Bayer & Co., from Leverkusen, Germany, the date of certification being May 7, 1923.

The merchandise in 17183-A was invoiced at \$1.45 per kilo, entered at 98 cents per pound, and appraised at \$1.75 per pound.

In 17958-A the merchandise was invoiced at 67½ cents per pound, entered at 98 cents per pound, and appraised at \$1.75 per pound.

In 20990-A the merchandise was invoiced at \$1.80 per kilo, entered at 98 cents per pound, and appraised at \$1.75 per pound.

The single general appraiser, after an exhaustive hearing, sustained the appraised value, and from his judgment the appeal was taken. The appraisers who decided the case were McClelland and Sullivan. In delivering the opinion of the Board, General Appraiser Sullivan said the importation came under the provisions of paragraph 28 of the Tariff Act of 1922, the dutiable value depending upon the question whether the imported dyes were competitive, and the Board decided that according to the evidence presented they were competitive.

Tariff rates on coal tar colors imported by Carbic Color & Chemical Co. were reduced by the Customs Board. The appraiser reported that the merchandise consisted of dyes provided for in paragraph 28 of the 1922 act. Duty was assessed at 60 per cent ad valorem and 7c per pound under paragraph 28. The importer claimed that the specific duty of 7c per pound was assessed upon the basis of too great a weight and should be assessed on the actual weight. The claim was sustained in an opinion by Judge Brown.

The federal budget for the next fiscal year carries an appropriation of \$904,400 for the Chemical Warfare Service; \$1,498,328 for the Bureau of Chemistry; \$1,750,410 for the Bureau of Standards; and \$30,640 for the Bureau of soils to be expended for chemical investigation. The appropriation for the Chemical Warfare Service is nearly \$200,000 more than that for the current year.

Saturating the soil around the roots of trees with chemicals which can be absorbed by the sap of the trees with a view to producing colored woods for paper and manufacturing purposes is to be tried near Machias, Me., next Summer.

Taunton Dye Works & Bleachery Co., Taunton, Mass., reports that on June 28 it had a profit of \$9,429. Accounts receivable were \$19,753 and notes receivable were \$16,671. Accounts payable were \$2,289 and notes payable \$35,000.

Noil Chemical & Color Works, Inc., New York, has placed on the market Noil Direct Brown B for cotton, plush and wool.

GERMANY FORMING NEW DYE TRUST WITH THREE TIMES PRE-WAR CAPITAL

Determined to Win Back World Trade by Developing Industry That Supplies Explosives and Could Be Made Over Into Poison Gas Plants at Short Notice—Why Great Britain and France May Buy Dyes In Germany Again

German aniline works are forming a super-trust to win the dye trade of England, France, and the Far East, and to compete with the United States for world trade in colors and chemicals, says the "Wall Street Journal" in a despatch from London. The new trust will replace the I. G. (Interessengemeinschaft) and will include Badische Anilinfabriken, Berliner Anilinfabriken, Hoechst Farbwerke, Elberfelder Farbwerke, Cassella & Co. and Bayer of Leverkusen. It will be the largest single firm in Germany. Its power is indicated by the fact that the gold mark capital of those companies after conversion from paper marks is still three times larger than their separate capital before the war.

The I. G., the original aniline trust, has reduced its capital from paper marks to gold at a rate of five to one. But this does not mean that its capital today is less than before the war. On the contrary it is 700,000,000 gold marks compared with 227,000,000 marks before the war a total reached by adding the capital of the separate companies together. This means that within a decade of war, of occupation of German dye works, and the loss of one of the largest, the Badische, the companies have trebled their capital.

Another indication of the industrial strength of the I. G. is the recent purchase of a 30,000,000 gold mark interest in Rheinstahl, which will supply them with coke and coal. While the French dye companies are supplying the domestic needs of France, they cannot compete in the world markets because of their high costs. British Dyestuffs Corp. is negotiating again with the German trust, being unable to meet the 1923 deficit of £450,000. Italy tried to build up a dye industry of its own, but the capital required was so great that the companies finally capitulated to the Germans. America is Germany's serious competitor, but Germany will cut prices to less than cost in order to regain her lost trade. Development of the dye industry means building up the industry most essential in war, supplying poison gas and explosives. The Germans will not neglect the opportunity to dominate the world in colors and chemicals again as before the war.

CANADA'S DYE PLANT NEARS COMPLETION

Montreal, Canada, Dec. 17.—Dr. F. W. Attack, president of Dye and Chemical Company of Canada, Ltd., reports rapid progress in the construction of the works at Kingston, Ontario. He hopes to have the installation of the plant completed by the end of December, and to be producing some time in January. The plans call for five manufacturing buildings, of which two are being erected now, a boiler room, laboratory offices and garage. The initial capital expenditure on buildings and plant will be \$83,000, and will provide a complete operating plant. To extend the plant in accordance with present plans will cost \$32,000 and will enable the company to make certain specialties which promise to be profitable.

The products will be pharmaceutical chemicals, coloring matter for foodstuffs, textile soap preparations, and dyes for paper, leather, furs, inks. None of these products is at present made in Canada, and several are imported in large quantities.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1879

CRUSHERS RAISE LINSEED OIL SHARPLY

Advances in Seed Market the Cause of Increase—
Chinawood Oil Easier—Coconut Oil Scarce—Olive
Oil Firms Firmly Held—Palm Kernel Oil Active—
Animal Oils Firm—Grease, Lard Oil and Neatsfoot
Oil Advanced—Stearic Acid Higher—Oleo Oil Lower
—Fish Oils Steady—Turpentine and Rosin Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Cottonseed Oil, crude, ½c lb.	Palm Lagos, ¼c lb.	Oleo Oil, 2c lb.	
Grease, white, ½c lb.	Rosin, 25c to 45c per 280 lb.		
Lard Oil, edible prime, 1c lb.	Stearic Acid, ½c lb.		
Linseed Oil, 8c gal.	Turpentine, 2½c gal.		
Neatsfoot Oil, 20°, ½c lb.			

Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N. F. gal.	\$62	\$62	\$62	\$67	\$1.26	\$2.36½
Degras, American, bbl. lb.	.04½	.04½	.04½	.04½	.23	.03½
Lard No. 1 gal.	.98	.98	.95	.79	2.90	.92
Menhaden, crd. tks. gal.	.58	.57½	.57½	.50	1.20	.33
Neatsfoot, 20 deg. ct. gal.	1.39	1.35	1.35	1.33	3.45	.95
Red Oil, distilled lb.	.10½	.10½	.10½	.08½	.17	.07
Stearic Acid, T. P. lb.	.14½	.14	.14	.13	.33	.12
Coconut, Ceylon, bbls. lb.	.11½	.11½	.11½	.10	.90	.14
Cottonseed, crude, tks. lb.	.09½	.09½	.08½	.09½	.25	.08
Linseed, crude gal.	1.13	1.05	1.11	.92	1.85	.57
Olive, denatured gal.	1.30	1.30	1.30	1.10	4.50	1.05
Peanut, refined lb.	.17	.17	.17	.16	.30	.98
Soya Bean, bbls. lb.	.14	.14	.14	.11	.19½	.07
Average	0.524	0.508	0.510	0.462	1.20	0.362

A comparatively dull period was experienced in the market for fatty oils over the week. While activity in some products showed no abatement, a sharp decline from the previous week in the volume of business transacted was noticeable. Prices were maintained in practically all quarters, although a few instances of liquidation were reported at prices slightly below the market. Dealers are of the opinion that prices will hold at their present levels until shortly after the first of the year, and then a decided increase in demand will be felt which will cause prices to advance. Stocks of vegetable oils continue to be low and replacement values remain higher in a great many products. Olive oil firms continue to be firmly held. Linseed oil is sharply higher owing to higher flaxseed prices. It is reported that the prices were driven down to enable dealers to obtain large quantities of the imported product at low levels after which the price was again increased. Dealers were not very anxious to book business at the recently low prices, it is said. A demand for Chinawood oil for export was reported. Animal oils remain in a very firm position with the exception of oleo oil, and factors are sold out in all other items. Large exports of lard oil are reported. Fish oils remain steady although the demand has not increased.

Vegetable Oils

Castor Oil—Remains steady at unchanged prices, 17c lb. for No. 3, and 17½c lb. for No. 1.

Chinawood Oil—Slightly easier due to liquidation in some quarters. Dealers quote 15¾c@16¼c lb. spot. The market abroad remains firm.

Coconut Oil—Spot goods remain scarce and prices firm. Prices for Ceylon, 11¼c@11½c lb. as to seller

and quantity, in barrels, and 10c lb. in tanks. Cochin firm at 12c@12½c lb. in barrels, and 11¼c lb. in tanks. Manila, tanks, New York, 10¼c lb., and at the Pacific Coast, 9¾c lb.

Corn Oil—Continues firm at recent advance to 10¼c lb. in buyers' tank cars at mills. Refined steady at 13c lb., barrels, New York.

Cottonseed Oil—Remains very firm with prices for P.S.Y. higher for some future positions, and lower for others; 11¼c@12c lb. is quoted as to position. Crude is higher at 9½c lb. Winter yellow firm at 12¾c@13¼c lb.

Linseed Oil—Sharply higher on spot and for all futures due to higher flaxseed market. Minneapolis, Duluth and Buenos Ayres are sharply higher, and it seems likely that Winnipeg will follow suit. Selling is reported as very quiet. Quotations from crushers are, Dec.-Feb. carlots works, \$1.13; March-April, \$1.14; May-June, \$1.17. Spot carlots are quoted at \$1.13. London quotations sharply higher, 47s per 112 lb.; Antwerp unchanged, 410f per 100 kilos. Flaxseed market opened this week with Winnipeg higher, \$2.45 for December, and \$2.55 for May; Duluth higher, \$2.83 for December, and \$2.87 for May; Minneapolis higher, \$2.84½ for December, and \$2.87 for May; Buenos Ayres, higher, \$2.29½.

Olive Oil—Reported firm owing to scarcity with dealers naming \$1.30@1.35 for denatured.

Olive Oil Firms—Supplies on spot and in transit firmly held, with market quoted at 10c lb.

Palm Oil—Lagos very scarce on spot and named at 10c@10¼c lb. Shipment quoted at 9¾c lb. Niger steady, 8¾c@9c lb.

Palm Kernel Oil—Moving in large volume to soap makers. Price unchanged, 10½c@10¾c lb. spot.

Rapeseed Oil—Reported quiet but steady at 99c@1.00 per gal. for spot goods, and 99c gal. for shipment. Blown, \$1.06@1.08 gal.

Sesame Oil—Spot goods still unavailable and quoted nominally at 15½c lb.

Soya Bean Oil—Reported quiet at unchanged prices, 12¾c@12¾c lb. for crude in barrels. Dec.-Jan. shipment named at 11½c in tanks at the Pacific Coast. Refined steady at 14c lb.

Animal Oils

Greases—Very firm owing to sold-up condition, with white higher at 13¾c@14c lb.; yellow quoted at 9¼c@9¾c lb.; brown, 8½c lb.; house, 9¾c@9½c lb.

Lard Oil—Firm owing to rise on N. Y. Exchange. Large exports reported. Edible prime higher at 19¼c lb.; prime steam steady at 15½c@16c lb.; off prime at 17¼c lb.; extra, 15¾c lb.; extra No. 1, 14¼c lb.; No. 1, 13¾c lb.; No. 2, 13¼c lb.

Neatsfoot Oil—Firm owing to increased demand, with 20° higher at 19c lb. Pure unchanged at 15¾c lb.; extra, 13¾c lb.; No. 1, 13c lb.

Oleo Oil—Easier due to slackening in demand. Prices lower at 17c@17½c lb. for No. 1; No. 2, 15c@16c lb.; No. 3, 14c lb.

Red Oil—Steady at unchanged quotations of 10¾c@11¼c lb. for distilled and saponified.

Stearic Acid—Higher owing to higher tallow market.

Now quoted at 12½¢@13¢ lb. for double pressed, and 14½¢@15¢ lb. for triple pressed.

Tallow Oil—Higher owing to sold-up condition of manufacturers, who now quote, 11¾¢ lb. for City, extra loose.

Fish Oils

Cod Oil—Steady although demand is reported as only fair. Prices unchanged from dealers who quote 60¢@62¢ gal. spot; tanks, New York, 55¢@57¢. At New York last week 738 casks were imported.

Menhaden Oil—Remains steady at recent levels of 58¢@60¢ gal., tanks, Baltimore for crude; light strained, 70¢@72¢ gal.; yellow bleached, 73¢@75¢ gal.; extra-bleached, 75¢@77¢ gal.

Naval Stores

Turpentine—Market firm at slightly higher levels. While movement of supplies is not very great still lower prices are not anticipated, and higher levels are looked for after the first of the year. Now quoted at 83½¢@84½¢ gal. in carlots, ex-yard, New York. Wood Turpentine, 75¢@78¢ gal.; destructive distilled, 68¢@70¢ gal.

Rosins—Prices sharply higher and sales reported good. Dealers control practically all available supplies and are said to be agreed upon higher prices. Quotations in carlots ex-yard, New York, are, for grades B to H inclusive, \$7.65; I, \$7.75; K, \$7.85; M, \$7.95; N, \$8.15; WG, \$8.95; WW, \$9.50 per 280 lb.

STOCKS OF VEGETABLE OILS LIGHT

Regarding the present market situation in vegetable and fish oils, Edgar H. Laing, New York says:

"As we run into the middle of the month it becomes more apparent that the trade is waking up to the fact that the available stocks for December delivery of the various grades of oil under the head of vegetable and fish oils on the spot are lighter than they have been at this time of the year for a very long period, and the usual slump in value that the buyers have been anticipating is not forthcoming. On the contrary the small stocks available are in strong hands and, with the steadily advancing market on Sterling, replacement values for the January and February actual delivery position are higher than the spot market. The stocks are also reported light in the hands of the consumers and point to an active bull market with urgent demand from the trade for the first three months of next year."

The American Shellac Co., Inc., New York, has been ordered by the Federal Trade Commission to cease and desist from the use of the word or words "Shellac" or "Pure Shellac" to designate any of their products other than pure shellac gum dissolved in alcohol unless the words "substitute" or "compound" accompany the word "Shellac" and in equally prominent letters.

Asco Chemical Co., 426 Bryant st., San Francisco, Cal., has been founded by Anton Schaffhauser. Among the products manufactured by the company under the trade mark "Asco" are auto top dressing, auto polish, metal polish, polishing wax. Burnishing wax is being marketed under the trade mark "Exo."

Lloyd A. Pockman, for three years manager of the plant of Certain-teed Products Co., Richmond, Cal., has been made plant manager at Trenton, N. J., for the company.

ROSIN PRICES STAGE SHARP RECOVERY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Dec. 15.—Following a drop of about 25¢ for most grades of rosin a week ago, a sharp recovery sent this price up 50¢ and for some of the higher grades even more than this. Toward the close of last week, there was a slight tendency to react from the newly reached high levels. Demand has been active with several big buyers in the market bidding for stocks. A rising market this week is anticipated by the trade here. Receipts of rosin for last week were 12,112 bbls.; sales were 6,392 bbls.; shipments were 7,745 bbls.; and stock today is 90,776 bbls.

The market for turpentine closed firm at 77¢ on sales of 200 bbls. to an exporter. There remained unsold 131 bbls. on refused bids of 76½¢ and 76¢, which was later sold at 77¢. This price is ¾¢ over last week's close. During the next few weeks, large receipts are expected and the price seems destined to drop a few cents. Receipts for last week were 2,541 bbls.; sales 938 bbls.; shipments 3,721 bbls.; stocks today 13,580 bbls.

Jacksonville, Fla., Dec. 15.—Sales of 100 bbls. turpentine at 77½¢ at close which was firm. Rosin firmer at close with WW at \$8.20, down to B-H at \$6.37½. Cheaper grades likely to ease off this week. Sales this week 1,376 bbls.; stocks here today 125,025 bbls. Turpentine stocks 29,127 bbls.

Production of glue of animal origin during the third quarter of 1924 was 20,178,200 pounds, according to the Census Bureau. Of this total 12,520,600 pounds was contributed by hide glue, 1,404,900 pounds by extracted bone glue, and 6,252,700 pounds by other bone glue. The total reported for the second quarter of the year (April-June) was 24,450,500 pounds, and for the first quarter (January-March), 28,701,100 pounds. Stocks on hand at the end of the third quarter amounted to 32,705,700 pounds of hide glue and 20,505,500 pounds of bone glue, a total of 53,211,200 pounds, compared with 51,695,900 pounds at the end of the second quarter and 48,887,700 pounds at the end of the first quarter; that is the stocks at the end of the third quarter show increases of 2.9 per cent and 8.8 per cent compared with the stocks reported at the end of the second and first quarters.

Stocks of Chinawood oil in Hankow, Nov. 1, amounted to six hundred tons, with stocks arriving slowly from the interior. October exports amounted to 16,600,000 pounds, of which 14,100,000 pounds were to the United States. The lowest price for October, 18.50 taels per picul, prevailed on the twenty-seventh; the price on Nov. 1 was 19.10 taels per picul.

The Shoe Polish Manufacturers' Association of America held its annual convention in New York, last week, and adopted resolutions condemning the Cramton bill, and advocating standardization of containers for shoe polish. Louis M. Hannum, Whittemore Brothers Corp., Cambridge, Mass., was elected president.

E. V. Peters, New Jersey Zinc Co., and president of the National Paint, Oil & Varnish Association of the United States, returned last week from a trip to Europe. He attended the annual convention of the National Federation of Associated Paint, Color and Varnish Manufacturers in London.

D. H. Litter Co., New York, has opened a branch office at 2 South 21st st., Philadelphia, in charge of Louis Cassin. The company handles chemicals, fillers and dry colors.

Chemicals for Consuming Industries

Heavy Chemicals, page 1854, Tan and Dyestuff, page 1881, Fatty Oils, page 1879

CHEMICAL DEMAND AWAITS TURN OF YEAR

Contracts for Delivery of Standard Items Over 1925 Maintain Volume—Spot Business Has Dwindled as Buyers Will Not Take on Stocks Until After Jan. 1—Prices Retain Strength

Although contract business for 1925 deliveries continues active, particularly for standard chemical products such as mineral acids, alkalis, bleach, and the like, spot demand for the general chemical line has dwindled close to a standstill. Buyers, naturally, will not take on raw material stocks between now and the first of the year to carry through the inventory period. Through the dullness, prices retain a strong position and there is no marked tendency to cut. In fact, the trend is toward higher levels, which, in itself, seems to indicate a feeling of an expected rise with any pick-up in spot buying. As the psychological time to buy anything is when nobody else wants it, the present market looks opportune for consumers who are in a position to carry stocks over the turn of the year.

Agricultural Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66%.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.55	2.75	7.75	2.65
Arsenic .....	.06 1/4	.06 1/4	.06 1/4	.14	.18	.04
Copper Sulfate .....100lbs.	4.60	4.60	4.60	4.60	20.00	4.50
Paris Green .....	.25	.25	.25	.28	.50	.11
Potash Muriate, 90%...ton	34.55	34.55	31.10	35.55	475.00	39.57
Potash Sulfate, 90%...ton	45.85	45.85	41.27	45.85	440.00	48.07
Phosphate Rock, 68%...ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16%...ton	9.50	9.50	9.00	8.00	21.00	15.00
Sodium Nitrate .....100lb.	2.45	2.42 1/2	2.42 1/2	2.52	5.00	1.90
Average	11.606	11.604	11.764	11.827	103.50	13.84

A slight increase in spot demand for fertilizers and a decided improvement in the business for future delivery were reported over the week. Inquiries were much more numerous and the market had a much better tone. The announcement of prices guaranteed to April, 1925, by importers of German potash salts settled the market on these products. Dealers are awaiting the announcement of mixed fertilizers prices which are due any time now.

Ammoniates—Dried blood steady at New York, \$3.65 and 10c; and at Chicago, \$3.70 and 10c; steamed bone remains the same, \$22@23 at Chicago, and \$33 for raw at New York; dried fish scrap recorded a further advance since the season is now over and supplies are very scarce; quoted at \$5.00; acid steady at \$4.00; tankage advanced to \$3.50 for ground, New York, and \$3.25 for high grade, Chicago.

Ammonium Sulfate—Increased spot demand reported, and orders for delivery over the coming year greatly increased. Contract deliveries being made regularly. Prices unchanged, \$2.70@2.80, spot, works in bulk; double bags f.a.s. still nominal at \$3.00 per 100 lb.; single bags unchanged, \$2.90 per 100 lb. works.

Sodium Nitrate—Spot material advanced again and now quoted at \$2.45 per 100 lb. owing to the further rise in sterling. This material is in a very firm position. Deliveries for Jan.-March steady at \$2.47@2.50.

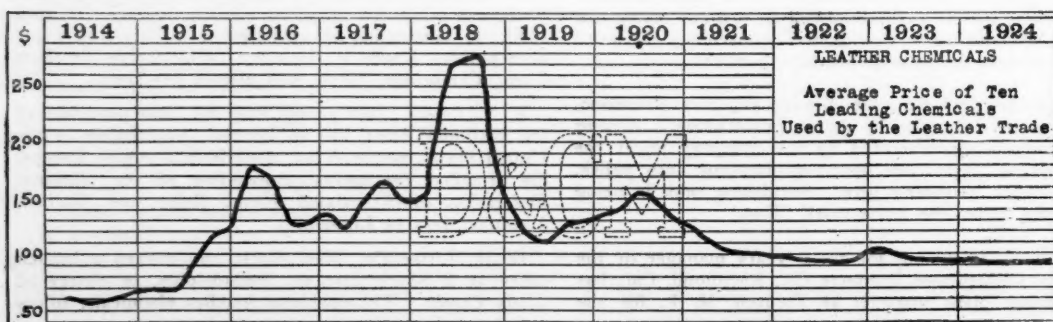
Potash Salts—Improved condition due to the announcement that present prices are further guaranteed against decline to April, 1925. Future business being closed in increasing amounts owing to settled condition. New schedule of prices exactly the same as have been in force, muriate, 80% basis, \$34.55 per ton; sulfate, 90% basis, \$45.85 per ton; manure salts, 30% basis, \$26@35 per ton; discounts up to 10% continue to be allowed on lots of 500 tons or over.

Phosphate Acid—Moving in fair volume at recent price of \$9.50 ton or the 16% guaranteed material.

Insecticides and Fungicides

Arsenicals—Arsenic continues in a firm position despite the fact that supplies are plentiful and demand is quiet. The Japanese product remains firm at 6c lb. and offers of 5 3/4c lb. are being rejected. German arsenic is now lower, being offered at 6c lb. for shipment. The spot market continues steady at 6c@6 1/4c lb. as to seller and quantity. Calcium arsenate has shown no activity as yet and the large stocks on hand continue to be quoted at 8c lb. with very few sales reported. The demand for arsenic is expected to increase soon as makers of calcium arsenate will start manufacturing shortly.

Copper Sulfate—The domestic product is in a very firm position owing to the fact that imported is now quoted for shipment at \$5.00, this being due to higher



copper prices here, the German sulfate being made from American copper. No reaction is anticipated at this time since the metal recorded still further advances during the past week, and a still higher price appears likely for imported. Domestic manufacturers continue to quote \$4.65 per 100 lb. in carlots at works. Odd lots are still available in certain localities at \$4.50 per 100 lb.

Leather Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.11½	.12	.12	.12½	1.50½	.07
Acid, Lactic, 22% dark....	.05½	.05½	.05	.04½	.07	.02
Potassium Bichromate ....	.08¼	.08¼	.08¼	.09½	.66	.06¼
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.00
Sodium Prussiate, Imp....	.09	.09	.09¼	.11¼	1.25	.18
Soda Ash, 58% wks.....	1.39	1.38	1.38	1.38	4.10	.69
Sodium Bichromate .....	.06¼	.06¼	.06¼	.07¼	.45	.04¼
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.03¼	.03¼	.03¼	.03½	.10¼	.02¼
Average .....	.925	.925	.925	.980	3.267	.528

Business for the coming year continued to be the mainstay of dealers in regard to leather chemicals. Spot supplies are scarce in a great many items and consequently prices on these products remained firm. A weakening was apparent in a few products, but the general list was steady. Lactic acid is active at the recent advance, and fish oils are moving in large volume for this time of the year. A scarcity of menhaden oil seems certain. The trade opinion is that no difficulty will

be experienced in holding prices firm from now until the turn of the year, when increased activity seems assured.

Alkalis—Contract business reported being closed in greater proportions than a year ago. Little objection to the increase in contract prices reported by manufacturers, and consumers generally continue to feel that it is far better to be covered for the coming year than take a chance on spot prices. Contract prices are, soda ash, 58% light, carlots, works, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. shipments around New York, \$2.04 @ \$2.19, bags; and \$2.29 @ \$2.44 in barrels. Caustic soda, \$3.10 per 100 lb. for carlots of 76% solid in drums at works on contract; ground and flake \$3.50 on contract; spot works price 10c per 100 lb. higher. L.c.l. business, New York, \$3.76 @ \$3.91 for solid, and \$4.16 @ \$4.31 for ground and flake.

Chemicals—Prices generally remain at recent levels with spot business quiet and orders for January shipment being received in increasing amounts. Bichromates are reported to have been shaded further in some quarters and now quoted at 6¼c @ 6½c lb. for sodium and 8¼c @ 8½c lb. for potassium; prussiates are quite firm owing to higher replacement values for imported; prices unchanged, 9c @ 9¼c lb. for sodium; potassium, yellow, 17c @ 17½c lb.; red arsenic steady at unchanged prices, 15c @ 15½c lb.; sal ammoniac holds at 6c @ 6¼c lb. for imported, and 7½c lb. for domestic; Glauber's salts, domestic, steady, at \$1.15 @ \$1.65 as to quantity and packing; imported lower at 80c @ 85c per 100 lb.; Epsom salts unchanged at \$1.35 for imported, and \$1.75 for domestic technical; carbon tetrachloride moving in increased volume at 7c @ 7½c lb.; sodium sulfide appears

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to be settled at 2c@2½c lb. for crystals, and 3c@3½c lb. for solid.

Tanning Materials—Prices generally firm at recent advances owing to a depleted spot condition. Camwood chips steady at 9c@13c lb.; divi divi firm at \$42@\$44 ton; 2,000 bags of mangrove bark were imported at New York; myrobalans firm at \$45@\$47 for J1; \$42@\$44 for R1; and \$42@\$44 for J2; sumac holding at \$170 @\$175 for Sicilian, 640 bags were received at New York over the week; valonia cups quoted at \$34 for 30-31%; 7,121 bags were imported at New York this week; Beard, \$52; 653 bags were imported at New York. Extracts steady, 1½c@1¾c lb. for clarified chestnut, 25%, tanks, works; logwood, 51%, 9c lb.; myrobalans, steady at 4c@5c lb. for 25% liquid in barrels.

Paper Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.40	\$2.40	\$3.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.5c
Casein .....	.10½	.10½	.10½	.11	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.05½	.50	.08
Salt Cake	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40% ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.60
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	7.65	7.40	6.07	5.75	4.50	20.25
Average	7.65	7.40	7.60	5.75	4.50	20.25


Spot business was much quieter over the past week than at any time since the Summer. Spot bleach was

available for shipment at 1924 contract prices, consumers apparently having taken in all the supplies they could afford to buy. Orders for future delivery continued to be received in increasing volume. Contract closing continued to keep sellers busy.

Alkalis—Contract business reported being closed in greater proportions than a year ago. Little objection to the increase in contract prices reported by manufacturers, and consumers generally continue to feel that it is far better to be covered for the coming year than take a chance on spot prices. Contract prices are, soda ash, 58% light, carlots, works, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. shipments around New York, \$2.04 @\$2.19, bags; and \$2.29@\$2.44 in barrels. Caustic soda, \$3.10 per 100 lb. for carlots of 76% solid in drums at works on contract; ground and flake \$3.50 on contract; spot works price 10c per 100 lb. higher. L.c.l. business, New York, \$3.76@\$3.91 for solid, and \$4.16@\$4.31 for ground and flake.

Bleaches—Contract closings reported in greater volume than for 1924. Consumers generally are accepting higher prices without complaint. Spot business noticeably slower over the past week, and plenty of spot bleach is available that dealers would gladly ship out against 1924 contracts. Bleaching powder on contract is named at \$1.90 for carlots of large drums at works; less than carlots, \$2.05; spot works price, 10c higher; small drums, 25c higher. Liquid chlorine on contract quoted at 4c lb. in tanks at works; carlots of cylinders, 5½c lb.; less than carlots and over a ton, 7c lb.; less than tons, 8c lb. Spot works price ¼c higher.

Chemicals—Aluminum sulfate is reported in steady




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demand at recently advanced prices of \$2.00 per 100 lb. in carlots of bags for iron-free, works; and \$1.40 for commercial; blanc fixe steady at \$75@80 ton; sodium silicate firm, 75c per 100 lb. in tanks; and 80c@85c in drums. Salt cake is reported firmer at unchanged prices of \$18@19 ton.

Sizings—Casein remains firm at 10c@10½c lb. for the standard product. Rosins are sharply higher this week, being quoted at \$7.65 per 280 lb. for grades B to H; \$7.75 for I; \$7.85 for K; \$7.95 for M; \$8.15 for N; \$8.95 for WG; \$9.50 for WW.

Rubber Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$.30	\$.30	\$.30	\$.35	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.30	.10
Carbon Black .....	.10	.09	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.09
Average	3.459	3.458	3.464	3.820	5.931	..

Little interest is shown in rubber chemicals at the present time. No general buying over a broad list is expected until after the first of the year. Warehouse stocks of carbon black have been materially reduced within the last few months. Makers of hexamethylene report a steady consuming demand. Imported whiting and talc have been showing some activity.

Acid—Acetic is in small demand at the moment at \$3.12@3.37 cwt. for 28 per cent; \$5.85@6.10 for 56 per cent; \$8.19@8.44 for 80 per cent; and \$11.00@11.75 for glacial material.

Accelerators—Business has been reported along routine lines only. Aniline oil, 16c@17c lb. works, and 17c @18c lb. spot as to quantity. Diphenylguanidine is in steady demand at \$1.10@1.15 lb. spot as to quantity. Hexamethylene is moving in fair volume at 82½c@85c lb. spot as to quantity. Quinoidine is quiet at 40c lb. spot in drums. Thiocarbanilide is steady at 27c@29c lb. spot as to quantity.

Colors and Compounding Materials—Some active business has been transacted in talc and imported whiting, but the list, as a whole, has been quiet during the past week. Antimony sulfurette is moving in fair volume at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson material. Blanc fixe, 4c@4½c lb. f.o.b. New York. Carbon black is firm at 10c@11c lb. spot in cases for l.c.l. for ordinary; 11c@12c lb. for air floated; 10c@11c lb. for compressed material; and 6c lb. works in c.l. Magnesium carbonate is steady at 7½c lb. spot, and calcined at 5½c@6c lb. Talc is in fair demand at \$14@15 ton works or \$25@26 ton ex-warehouse for domestic; French, \$40@45 ton; and Italian, \$60@80 ton spot. Whiting has also been in steady demand at \$13@14 ton for domestic, and \$18@19 ton for imported material.

Mineral Rubber—Demand slow at \$35@75 ton as to quality.

Solvents—C.P. acetone is in small demand at 14c@16c lb. works in c.l. Benzene is firm at 25c gal. works for pure in tanks, and 30c gal. in drums. Ninety per

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Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda

All Tests

Soda Ash

Dense-Light
Granular if Desired

Sole Selling Agents

The Isaac Winkler & Bro. Co.

50 BROAD STREET
NEW YORK

FIRST NAT'L BANK BLDG.
CINCINNATI

cent is named at 23c gal. in tanks, and 28c gal. in drums. Carbon bisulfide is moving in fair volume at 6c@6½c lb. spot. Carbon bisulfide is firm at 7c@7½c lb. as to quantity.

Sulfur—Slow at \$3.05@\$3.30 cwt.; and refined at \$2.50 @\$2.90. Sulfur chloride is firm at 6c@7c lb. spot for red, and 5c@6c lb. for yellow material.

Textile Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.09½	.09½	.09½	.12	.70	.07½
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate	4.65	4.65	4.65	4.60	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.15	4.25	1.80
Glauber's Salt	1.25	1.25	1.25	1.30	2.50	.80
Potash, Caustic, Imp. ....	.07¼	.07¼	.07¼	.07	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate .....	.06¼	.06¼	.06¼	.07½	.45	.04¼
Average	1.783	1.783	1.783	1.742	4.800	1.42

Demand for textile chemicals continued to improve for deliveries over the next year, but orders for immediate delivery were scarce during the week. Acetic acid continues on a firm basis owing to upward tendencies of raw materials. Carbon tetrachloride remains firm on a higher basis.

Acids—Generally firm although spot business reported slow, as inventory time draws near. Acetic firmer with upward tendencies. Prices, \$3.12@\$3.37 for 28%; \$5.85 @\$6.10 for 56%; \$11.01@\$11.76 for glacial as to quan-

tity; formic acid slightly lower at 10½c@11½c lb. as to seller; lactic acid firm at recent advance to 5½c@6c lb. for 22% dark, and 6½c@7c lb. for light; 44% dark, 11½c@12c lb., and light, 13½c@14c lb. as to quantity; oxalic acid firm at 9½c@10c lb.; mineral acids, muriatic and sulfuric, moving at unchanged prices.

Alkalis—Contract business reported being closed in greater proportions than a year ago. Little objection to the increase in contract prices reported by manufacturers, and consumers generally continue to feel that it is far better to be covered for the coming year than take a chance on spot prices. Contract prices are, soda ash, 58% light, carlots, works, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. shipments around New York, \$2.04 @\$2.19, bags; and \$2.29@\$2.44 in barrels. Caustic soda, \$3.10 per 100 lb. for carlots of 76% solid in drums at works on contract; ground and flake \$3.50 on contract; spot works price 10c per 100 lb. higher. L.c.l. business, New York, \$3.76@\$3.91 for solid, and \$4.16@\$4.31 for ground and flake.

Bleaches—Contract closings reported in greater volume than for 1924. Consumers generally are accepting higher prices without complaint. Spot business noticeably slower over the past week, and plenty of spot bleach is available that dealers would gladly ship out against 1924 contracts. Bleaching powder on contract is named at \$1.90 for carlots of large drums at works; less than carlots, \$2.05; spot works price, 10c higher; small drums, 25c higher. Liquid chlorine on contract quoted at 4c lb. in tanks at works; carlots of cylinders, 5½c lb.; less than carlots and over a ton, 7c lb.; less than tons, 8c lb. Spot works price ¼c higher.

Starches and Dextrines—Sellers report little activity



Aero Brand

Yellow Prussiate of Soda Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

AMERICAN CYANAMID CO.
511 Fifth Avenue New York

EXCLUSIVE SALES AGENTS:

For consumption in United States:	For shipment to other countries:
Victor Blagden & Co., Ltd., London	Victor Blagden & Co., Ltd., Coronation House, 4 Lloyd's Ave., London.
Henry W. Peabody & Co., 17 State St., New York	Cable Address: Blagdenite, London



just now, but at the same time they look for an increase in business after the first of the year. Prices remain steady at \$4.52@4.62 cwt. for white corn; yellow, \$4.57@4.67; potato dextrine, 8c@8½c lb. for white and 7¾c lb. for yellow; British gum steady at \$4.82@4.92; and powdered corn starch, \$3.97@4.07.

Stanley Hiller Co., Inc. has bought a factory site in an east-bay unit of Greater San Francisco and is fitting up a plant for the manufacture of machinery used in the utilization of waste. The company specializes in machinery for use in industrial plants and makes equipment for converting fish waste into oil and fertilizer and for clarifying waste syrups in canning plants. Its machinery is used by the Alaska Packers' Association, which reclaims 20,000,000 pounds of waste products annually, and by the California & Hawaiian Sugar Refining Co., which uses equipment for revivifying kieselguhr used in the filtration of sugar. Stanley Hiller was formerly affiliated with Pacific By-products Co. which used peach and apricot pits for the making charcoal.

Mount Hope Finishing Co., with plant at North Dighton, Mass., showed a profit account of \$459,888 at the close of its fiscal year, June 28. Accounts receivable were \$252,213 and accounts payable \$223,552. Cash was \$449,409, and merchandise \$41,351. The company values its real estate and machinery at \$208,166. The company is capitalized at \$142,000 and has a reserve account of \$175,000. This company has been burning oil for some time past but is going back to coal as it finds that fuel costs with coal are cheaper than with oil.

Bayer Co., New York, has issued a leaflet describing a new fungicide, "Bayer Dust" which has just been placed on the market by this firm. The material is used dry for the disinfecting of various seeds before planting. For wet treatment of seed, the company has also placed on the market the new "Bayer Compound" used in a quarter of one per cent solution for a half hour. Both are prepared chiefly for use on seeds of wheat, corn, barley, beets, and others.

Barlow Co., Manchester, England, piece goods dyers, says exports of gray goods from Britain to the Continent for dyeing increased about 15 per cent during the last year. To combat the increasing loss of business Barlow Co. cut its dyeing prices 10 per cent last August, but without result. A director admitted that British dyers continue to depend on Continental manufacturers for the most important colors used.

Fall River Bleachery, incorporated under Massachusetts laws, shows a surplus of \$1,833,529 as of Oct. 31, which compares with \$1,827,597 a year ago. Accounts receivable were \$176,355 against \$132,388 a year ago, and accounts payable were \$79,687 plus notes payable of \$200,000, against \$42,146 and \$50,000 a year ago. Merchandise was valued at \$48,372 against \$63,000 a year ago.

Russell H. Leonard, treasurer of Ipswich Mills, Ipswich, Mass., has been elected treasurer of Peperell Manufacturing Co., Biddeford, Me., succeeding Walter H. Bradley, who resigned. It is understood that he will retain his position as treasurer of the Ipswich Mills.

Dr. Howard B. Felton, of Felton-Sibley & Co., Philadelphia, paint and varnish manufacturers, died from a paralytic stroke, Dec. 7.

L. E. Beitler of the chemical sales department of The Barrett Co., New York, has resigned, effective the first of the year.

Superior Piece Dye Works, New York, has increased its capitalization from \$100,000 to \$275,000.

PHENOL COEFFICIENT LAW URGED BY DISINFECTANT MANUFACTURERS

C. C. Baird Also Advocates Plan of Co-operative Publicity to Increase Use of All Disinfectants—F. A. Hoyt of Atlanta Elected President for 1925—Hear Thompson on Caustic Acid Bill

Urging a national phenol coefficient law for disinfectants to replace the wide number of specifications now in use, a co-operative advertising and publicity campaign to increase the use of all disinfectants, insecticides, and an investigation of commercial bribery in the disinfectant business, C. Campbell Baird, president of Baird & McGuire, Holbrook, Mass., closed his term as president of the Insecticide and Disinfectant Manufacturers Association for 1924. The eleventh annual meeting of the association was held Dec. 15 and 16 at the Hotel Astor, New York.

Frederick A. Hoyt of the Frederick Disinfectant Co., Atlanta, Ga., was elected to head the insecticide and disinfectant manufacturers during 1925. Other officers elected were first vice-president, Benjamin Newman, United Sanitary Products Co., New York; second vice-president, C. H. Gesell, Lehn & Fink, New York; treasurer, R. J. Jordan, Jordan Coal-Tar Products Co., New York; secretary, Harry W. Cole, Baird & McGuire, Holbrook, Mass.; board of governors, S. S. Selig, Atlanta, Ga.; M. M. Marcuse, New York; K. A. Dolge, Westport, Conn.

If legislation now pending should become law, many household substances now in common use could be obtained only from registered pharmacists, Judge Harry B. Thompson, general counsel, Proprietary Association, told the convention. The Caustic Acid bill now under consideration in Congress would require all drugs and chemicals entering into interstate commerce which contain more than a stated per cent of certain poisons to be labeled poisons.

Dr. R. P. Soule, chief chemist, Combustion Utilities Corp., pointed out the need of rational and standardized specifications for the purchase of coal-tar oils instead of the varied individual specifications now in use by the different manufacturers. Carroll Dunham Smith, representing the American Pharmaceutical Manufacturers Association, gave a talk on selling. Susa P. Moore, of "Nation's Health," emphasized in an address the need of closer relation between hygiene and the disinfectant trades. L. A. Watt, Monsanto Chemical Works, gave a technical talk on the production of cresylic acid, and L. C. Himebaugh of the Pease Laboratories, Inc., told of standard testing methods for disinfectants. Dr. J. K. Haywood, chairman of the Insecticide and Fungicide Board, Department of Agriculture, and Dr. William Dreyfus of the West Disinfecting Co., took active parts in the technical discussions. H. W. Hamilton of the White Tar Co., New York, spoke on war experiences of disinfectant uses with the troops under the head, "Laboratory With Combat Troops." Carl J. Schumann of the Hilo Varnish Corp., Brooklyn, N. Y., described the methods of conducting the "Save the Surface" campaign. The last session of the meeting was in the form of a trip through the plant of the Atlantic Tar & Chemical Co. at Bayway, N. J., conducted by William E. Jordan.

Bernard Wellmann of the heavy chemical department of George Uhe, New York broker, left for Europe on the steamer "Majestic" on Dec. 17. Mr. Wellmann will spend most of his time in Germany and will remain abroad for two or three months in the interests of George Uhe.

BELGIUM PLACES DUTY ON BORAX

Other Products Assessed Are Sodium and Potassium Bichromates, and Carbon Black

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Antwerp, Belgium, Dec. 6.—The Belgian Government put into force the new Customs tariff on Nov. 10. There is now a duty of 10% on borax; a duty of 20 francs per 100 kilos on bichromate of soda and potash; and a duty of 10% on carbon black. These are the duties as per minimum tariff for products originating from the United States and Allied countries, whereas the duties on most German products are 50% higher.

The Belgian works of S. A. Ougree Marihay will soon start the manufacture of synthetic ammonia with the Claude process and will supply this mostly as sulfate of ammonia with perhaps an available surplus of liquid ammonia.

Belgian manufacturers of sodium sulfide, phosphate of soda and phosphate of ammonia, bleaching powder, lithopone, sulfite and bisulfite of soda report an active export trade. Makers of mineral acids and salt cake are limited to home trade.

Chemical manures, with the exception of sulfate of ammonia, are slack; the Belgian production of superphosphate which amounts to nearly 400,000 tons per year is consumed at home in increasing quantities, the export to Spain and the Scandinavian and Baltic countries being now very small compared with pre-war figures.

Arsenic is weak and neglected at prices lower than ever. Barium products are also dull with chloride at \$4.25 and carbonate at \$3.30 per 100 kilos. Bleaching powder has been very active lately. There is a great scarcity and prices have advanced to about \$3.50 per 100 kilos in casks.

Copper sulfate is quiet, although prices have been steadier on account of the firmness of the metal and the near consuming season. Caustic potash and carbonate of potash are also quiet, although it is announced that German makers are contemplating a sharp advance especially on carbonate of potash.

Since the last rise to £48 per ton, potassium permanganate has moved steadily. Soda ash is in good demand for export and large quantities have been shipped at a slightly increased price of \$3.25 per 100 kilos, inclusive of bags. Caustic soda enjoys a brisk demand. Following the advances in lead and antimony, chemicals derived from these metals have advanced sharply and are buoyant.

Antimony oxide and Regulus are exceedingly scarce on account of small shipments from China. Red lead is very firm, but white lead has scarcely followed the move owing to very small demand.

The annual report of the chief chemist of the Department of Agriculture for the fiscal year ended June 30, 1924, covers the work of the Bureau of Chemistry in research, chemistry of crops, protein investigations, odorous principles of the cotton plant, vegetable oils, utilization of fruit and vegetables, manufacture of maltose from cornstarch, tanning and leather investigations, waterproofing, mildewproofing and fireproofing farm fabrics, fruit and vegetable wrappers, insecticide and fungicide investigations, prevention of plant dust explosions and fires, improving rosin and turpentine processes, and color investigations.

Swiss imports of inorganic chemicals rose to 31,388,000 francs for 1923, about 20% higher than in 1922. Practically all of this trade went to Germany.

INDUSTRIAL CHEMICAL SECTION

EXPORT DEMAND FOR POTASH ACTIVE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Germany, Dec. 6.—The October sales of the Potash Syndicate declined to about 90,000 tons of K₂O compared with 140,000 tons sold during September. The November sales are estimated at 70,000 tons. There are rumors about a price reduction in fertilizers, but there is little probability that they will come down at present. The Syndicate is still selling on a three-months bill. The export trade in potash is brisk.

Demand for nitrate fertilizers also decreased during October, but the nitrate syndicate is reckoning with a brisk trade again in the Spring. It has erected large stores in the various centers of home consumption and at the seaports, which are filled during the times of slack trade in order to supply customers unhampered by transport troubles during the strong demand. Owing to this policy the stocks at the works can be kept comparatively low. November prices range as follows:

	Marks
Sulfate of ammonia, ordinary	1.08
Sulfate of ammonia, dried and ground.....	1.10
Muriate of ammonia	1.08
Leuna saltpeter	1.08
Potassium saltpeter (from ammonium and chloride)	1.08
Nitrate of soda	1.35
Nitrate of lime	0.98

During December the price of ordinary sulfate of ammonia will be 1.10 marks, during January 1.12 marks, February 1.13½, and March 1.15 marks. All other products are changing correspondingly. Only the price for nitrate of soda remains unaltered. One-third is to be paid in cash and the rest may be paid in notes. On cash payment a rebate of 3 per cent is granted. During December the rebate is only granted on cash payments above one-third of the total amount due, and after Jan. 1, this will be reduced to 1½ per cent.

BUTTERWORTH-JUDSON SALE ON JAN. 21

Sale of the Butterworth-Judson plant, Newark, N. J., has been set for Wednesday, Jan. 21, at noon, and will be conducted by Joseph P. Day, auctioneer. The plant is located in the unrestricted district of Newark and has about 1,700 feet frontage on the Passaic River and Newark Bay. The Western Electric plant, the construction of which involves an investment of about \$20,000,000, is now in the course of completion, at a point almost directly opposite the Butterworth-Judson property. Along the same short line are the large plants of Gulf Refining Co., Tanners Products Co., and Balbach Smelting & Refining Co.

The Butterworth-Judson property is intersected by the tracks of the Central Railroad of New Jersey and is located within a few hundred feet of Lincoln Highway, so that it is within easy trucking distance of Newark, Jersey City and New York City, by way of the new Hudson River vehicular tunnel, which is now nearing completion. The property comprises about 77 acres, all of which is solid ground, and a number of buildings containing several hundred thousand square feet of floor space, suitable for many varieties of manufacture. The sale includes a fully equipped sulfuric acid plant now in operation. The property is to be offered first in about nine separate parcels, and then as a whole. The sale was ordered by the receivers, Thomas G. Haight and Henry G. Atha.

James S. Stone has announced that he is no longer connected with the Tannystone Chemical Co., New York.

ACID OUTPUT VALUED AT \$79,590,368

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 17.—Acids valued at \$79,590,368 were manufactured during 1923, an increase of 32.1 per cent over 1921 and a decrease of 7.7 per cent compared with 1919, according to the Census Bureau. For inorganic acids the total value reported was \$61,383,614, representing increases of 28.9 per cent—compared with 1921 and 2.5 per cent compared with 1919; and for organic acids, \$18,206,754, an increase of 43.8 per cent over the 1921 figure and a decrease of 30.8 per cent from 1919. The leading acids in order of value are as follows: Inorganic—sulfuric, mixed (sulfuric-nitric), carbonic, hydrochloric, and nitric; organic—oleic, acetic, citric, stearic, hydrocyanic, and tartaric.

	Year	Total production tons	For sale Tons	Value
Total value	1923	—	—	\$79,590,368
	1921	—	—	60,262,890
Inorganic acids, total value	1923	—	—	\$61,383,614
	1921	—	—	47,604,305
Arsenic and arsenious	1923	16,788	14,697	2,608,124
Boric (boracic)	1923	8,639	8,639	1,736,081
Carbonic (carbon dioxide)	1923	25,548	25,548	4,992,363
Hydrochloric (muriatic)	1923	196,910	134,203	3,084,637
Hydrofluoric	1923	2,434	2,134	413,821
Phosphoric	1923	8,915	6,415	955,194
Sulfur dioxide	1923	4,420	3,288	414,049
Rare metal acids—vanadic, tungstic, molybdic, etc.	1923	85	85	107,787
Other inorganic acids (b)	1923	—	—	131,312
Organic acids, total value	1923	—	—	18,206,754
	1921	—	—	12,658,385
Acetic:				
Dilute	1923	42,444	19,006	\$1,098,268
Glacial and anhydride	1923	12,586	11,705	2,504,055
Citric	1923	2,814	2,814	2,820,306
Oleic	1923	22,307	22,307	3,780,166
Stearic	1923	11,309	11,163	2,718,380
Tannic	1923	484	484	357,023
Tartaric	1923	2,962	2,834	1,545,387
Other organic acids (c)	1923	—	—	3,275,169
(b) Chlorsulfonic, hydrobromic, chromic, sulfurous, and miscellaneous acids.				
(c) Hydrocyanic, oxalic, lactic.				

MATHIESON ALKALI TO IMPROVE PLANTS

Mathieson Alkali Works plans a program of plant rehabilitation in the next two years, which is expected to cost in excess of \$2,000,000, says the "Wall Street Journal." The Saltville works will be thoroughly modernized and new machinery installed which will increase efficiency and add somewhat to output. Earnings this year are expected to be approximately \$4.50 a share on the common against \$7.63 in 1923, and \$6.59 in 1922 after allowing for regular preferred dividends only in each year. Accumulations on preferred are now paid to date, but no distribution on the common is likely for the present in view of expensive construction being planned.

Production of ammonia from atmospheric hydrogen has been successfully worked out at Niagara Falls and a plant is being built to produce it commercially. New uses are also being developed for chlorine. The hypochlorite process of refining gasoline owned by the Anglo-Persian oil, for which Mathieson has the American agency, is being used successfully by a number of refiners. This takes care of a considerable quantity of surplus product.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42875) from the Yankee Brazilian Agency, Rua da Candelaria 44, Rio de Janeiro, Brazil, desirous of getting in contact with American producers of chemical products and oxidation products do not have the same accelerating lubricants.

LONDON CHEMICAL PRICES IMPROVE

Business Stimulated By Victory of the Conservatives Who Favor Tariff

(Special Correspondence to DRUG & CHEMICAL MARKETS)

London, Dec. 6.—The victory of the Conservative party in last week's elections has had no appreciable effect on the spot markets, but the change in the political outlook is likely to make itself felt in due course. All the time the Labor and Liberal parties were in power, both of them free trade, there was no suggestion that tariffs or any other kind of protection would be brought forward, and it was possible the present restrictions, such as the Safeguarding of Industries and the Dyestuffs Acts, would be repealed. Now, however, with the return to power of the protectionist party instead of the repeal of such legislation it is to be expected they will be enlarged upon. Although the Conservative party have no mandate for introducing tariffs, it must not be overlooked that Mr. Baldwin (Prime Minister) and Lloyd-Graeme (Board of Trade) are out-and-out protectionists and they are supported by practically the whole party. It is unlikely they will miss an opportunity to at least get in the thin end of the wedge.

Prices on the Continent are steady to firm, with Germany becoming daily more prominent. The withdrawal of the French troops from the occupied areas is making things easier for Germany and her productive capacity is increasing, bringing with it cheaper prices and heavier surplus for export business, but for some little time she will be taking most available supplies for domestic use. Germany is not likely to come into the export market as sellers of creosote oil yet awhile, although her output is increasing. She will want it all for home uses. Her railways are in a deplorable state and must be creosoted. She is also building a new sixty-mile railway at Dortmund.

Cornish white arsenic continues very flat with the price f.o.r. mines down to as low as £38 per ton.

Acetone is cheaper on an idle market with B.G.S. at £94 per ton.

Formaldehyde is experiencing a bad time with 40% volume down to £48 per ton.

Potash—Spot market firm at good prices under newly formed German Convention. Caustic 88/92% solid, £31 per ton, in drums; carbonate 90/92%, £22/10/-; 96/98%, £24 10s per ton; permanganate, B.P., dearer and firm at 7½d to 7¾d per lb.; prussiate, yellow, steady, 6¾d per lb.

National Licorice Co. has declared the regular semi-annual dividend of 2½% on the common, payable Jan. 8 to holders of record Dec. 24, and the regular quarterly dividend of 1½% on the preferred stock, payable Dec. 31 to stock of record Dec. 24.

Devoo & Raynolds declared an extra dividend of 25c on the common, in addition to the regular quarterly dividend of \$1.25 on the common and 1¾ per cent on the first and second preferred. All are payable Jan. 2 to stock of record Dec. 20.

Commercial Chemical Co., Chicago, reports for the nine months ended Sept. 30 last, an operating deficit of \$56,437 and a reduction of \$126,090 in the surplus account after payment of dividends and miscellaneous deductions.

Platinum to the value of \$3,639,331 was exported from Colombia during 1923, most of which came into the U. S.

Hanovia Chemical Mfg. Co. has filed a judgment in New York County against Isadore Michel for \$380.21.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Dec. 13

Bid	Asked	Bid	Asked
*Air Reduction	88 1/2 89 1/2	Hercules Powder	88 92
*Allied Chem. & D.	88 1/2 89 1/2	Hercules Powd., pf. 103	105
*Allied Ch. & D., pf. 11 1/2	119	Heyden Chem.	2 1/2 3
*Am. Ag. Ch.	14 1/2 14 3/4	Hooker Electro.	2 3
*Am. Ag. Ch., pf.	40 41	Hooker Electro., pf.	18 23
*Am. Chicle.	37 1/2 38	*Household Products. 36 1/2	36 1/2
*Am. Chicle, pf.	90 91	*Int. Agricult.	34 1 1/4
*Am. Cyan.	91 95	*Int. Agricult., new. 6 1/2	7 1/4
*Am. Cyan., pf.	76 78	*Int. Agricult., pf.	9 1/2 10 1/4
*Am. Druggist, S.	5 1/2 6	*Int. Nickel.	23 1/2 23 1/2
*Am. Glue.	39 41	*Int. Nickel, pf.	92 93
*Am. Glue, pf.	104 108	*Int. Salt.	72 1/2 80
*Am. Linseed.	24 1/2 25	*Mathieson Alk.	50 1/2 51
*Am. Linseed, pf.	40 45	*Mathieson Alk., pf. 95	100
*Am. Metal.	49 1/2 50	*MacAnd. & Forbes. 149	150
*Am. Zinc.	10 1/2 10 3/4	MacAndrews & Forbes, pf.	99 101
*Am. Zinc, pf.	32 1/2 32 3/4	Merck & Co., pf.	57 60
*Archer-Dan-Mid.	23 23 1/2	Merriman.	84 86
*Archer-Dan-Mid., pf. 8 1/2	89	Mulford Co.	30 33
*Atlas Powder.	51 52	*National Lead.	153 1/2 156 1/2
*Atlas Powd., pf.	91 1/2 94	*National Lead, pf. 116 1/4	117
*By-Prod. Co.	42 47	N. J. Zinc.	160 164
*By-Prod. Co., pf.	102 102	Niag. A., pf.	80 85
*Canad. Ind. Al.	42 44	Parke, Davis & Co. 80 1/2	81
*Canad. Salt.	95 100	Penn Salt.	80 82
*Casein Co.	62 66	*Peoples Gas, Chi.	115 1/2 116
*Celluloid Co.	55 60	Procter & Gamble.	100 108
*Celluloid Co., pf.	96 99	Procter & Gam., pf. 104	108
*Charcoal Iron.	20 35	Royal Bkg. Pow.	145 150
*Ches. Mfg.	47 49	Royal Bkg. Pow., pf. 98 1/2	100
*Ches. Mfg., pf.	112 115	Shawinigan.	4 6
*Clark Co., Fred.	2 3 1/2	Shawinigan H.	130 132
*Cleve. Cliffs Iron.	75 75	Sherwin-Williams.	30 32
*Com'l Solv. A.	106 106 1/2	Sherwin-Will., 1st pf. 103 1/2	103 1/2
*Do. B.	101 102	*Sterling Prod.	63 63 1/2
*Corn Products.	41 1/2 41 3/4	Swan & Finch.	20 24
*Corn Products, pf. 120	121 1/2	*Tenn. C. & Chem.	8 1/2 8 1/2
*Davison Chem.	42 1/2 43	*Tex. Gulf, Sul.	92 92 1/2
*Dow Chem. non par. 59	61	*Union Carbide.	59 1/2 59 1/2
*Dow Ch., pf.	100 101	*Un. Drug.	115 1/2 116 1/2
*Dow Drug Co.	150 175	*Un. Drug 1st pf.	51 1/2 52
*Dow Drug Co., pf.	104 106	*Un. Dyewood.	20 27 1/2
*Du Pont de Nem.	93 94	*Un. Dyewood.	23 1/2 27 1/2
*Du Pont de Nem., pf. 133 1/2	134 1/2	*Un. Dyewood, pf.	52 55
*Eastman Kodak.	110 110 1/2	*Un. Gas Imp.	57 59
*Eastman Kodak, pf. 111 1/2	112 1/2	*Un. Gas Imp., pf.	86 87
*Freeport Tex.	9 1/2 9 1/2	U. S. Gypsum.	127 132
*Genl. Asphalt.	56 1/2 57	*U. S. Indus. Al.	82 82 1/2
*Genl. Asphalt, pf.	93 95	*U. S. Indus. Al., pf. 104 1/2	108 1/2
*Gold Dust.	43 1/2 43 3/4	*V. Car. Ch.	2 1/2 2 1/2
Grasselli.	122 124	*V. Vivaudou.	8 1/2 9
Grasselli, pf.	102 103	W. & Baumer.	12 14

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE

	Par	Current
Treat Britain (pound sterling)	\$4.866	\$4.68
France (franc)	183	.053
Italy (lira)	193	.043
Germany (mark)	238	.238
Czechoslovakia (crown) per hundred	20.30	.032
Poland (zloty)	193	.192
Japan (yen)	499	.383
Holland (florin)	402	.403
Spain (peseta)	193	.141
Belgium (franc)	193	.049
Switzerland (franc)	193	.193
Norway (krone)	268	.269
Sweden (krone)	268	.269
Denmark (krone)	268	.176
Argentina (peso)	424	.385
Brazil (milreis)	324	.115
India (rupee)	485	.351
China (Silver dollar, Hongkong)	789	.562
(Tael-Shanghai, silver)	1.986	.767
(Tael-Peking, silver)	1.156	.795

Temporary certificates of deposit for 35,180 shares of voting common stock and temporary certificates of deposit for 6,609 shares of non-voting common stock of Virginia-Carolina Chemical Co. were listed, last week, on the New York Stock Exchange.

Nichols Copper Co. has declared an initial quarterly dividend of 1 1/4 per cent on the 7 per cent preferred stock, payable Jan. 2 to holders of record Dec. 20. This issue was recently given holders in exchange for the old 8 per cent preferred stock.

Air Reduction Co. has declared the regular quarterly dividend of \$1 a share, payable Jan. 15 to holders of record Dec. 31.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

Baxter Rubber Glove Co., 61 Belle Ave., Belleville, N. J., \$30,000. Manufacture. Frederick G. Turck, Charles W. Leebel, Charles E. Baxter, Sr.

Frank & Scott, New York, \$10,000. Manufacture tires and rubber goods. Harry Frank, Charles Fischer, Charles Reilly.

Gould Storage Battery Co., New York, 2,500 shares common stock, \$100 par value. Charles A. Gould, William S. Gould, Charles A. Gould 2nd, W. A. J. Barrington.

Heatless Dental Rubber Corp., New York, \$5,000. Manufacture. Charles Herman, Marcus Herman, Hyman Jacobs.

Hope Tire Co., 118 Dorrance St., Providence, R. I., \$50,000. George H. Bridges Jr., Frederick D. Grove, Oscar A. Ryfle.

Nordhaus Tire Service, New York, 100 shares common stock, no par value. Manufacture. M. G. Owens, R. E. Allen, C. C. Jewett, all of Buffalo.

The 109 Tire Sales Co., New York, 100 shares common stock, no par value. Manufacture. R. E. Allen, C. C. Jewett, Buffalo; and W. M. Dow, Tcnawanda.

Paratex Rubber Co., Garfield, N. J., 50,000 shares cumulative preferred stock, \$10 par value; 50,000 shares common stock, no par value. Manufacture rubber products. E. T. McQuade, R. F. Beech, C. V. Miller, all of New York.

Public Service Tire & Rubber Co., Brooklyn, N. Y., 200 shares common stock, no par value. Manufacture. L. K. Beller, Michael Beiler, Eva Beller, all of Brooklyn.

R. A. C. Tire Corp., Wilmington, Del., 25,000 shares common stock, no par value. Manufacture. S. L. Mackey, L. C. Christy, H. Kennedy, all of Wilmington. Corporation Service Co.

Roddy Tire Co., New York, 100 shares common stock, no par value. Manufacture. W. G. Owens, R. E. Allen, C. C. Jewett, all of Buffalo.

Rubber-Blak Compounding Co., Wilmington, Del., 1,000 shares common stock, no par value. Manufacture. S. L. Mackey, L. C. Christy, H. Kennedy, all of Wilmington. Corporation Service Co.

Nofat Co., New York, \$20,000. Sealing auto tires. A. S. Burger, L. Marcus, I. L. Phillips. Attorneys, Miller, Bretzfelder & Ruskay, New York.

Prest-Air Foreign Corp., New York, 1,000 shares common stock, no par value. Manufacture carbon dioxide. F. K. Lawrence, G. F. Gray, S. N. Douglas. Attorney, W. W. Lesselbaum, New York.

CANADIAN INCORPORATIONS

Walter M. Lowney Co., Ltd., Montreal, \$500,000. Manufacture cocoa and confectionery. Winchester H. Biggar, D. Burley-Smith, Frank Ashworth, Montreal.

Anglo-American Woollen Co., Ltd., Montreal, \$50,000. Manufacture textiles. Henry K. S. Hemming, James Strachan, Laurent A. Piche, Montreal.

Pure Gold Manufacturing Co., Ltd., Toronto, 60,000 shares of no par value. Manufacture baking powder, flavoring extracts. Lillian M. Heal, Norma Lown, George E. Parkinson, Toronto.

Weldon J. Graham, Ltd., Ottawa, \$100,000. Manufacture medicines. Stanley M. Clark, Wm. S. Fisher, Ursula Gillespie, Ottawa.

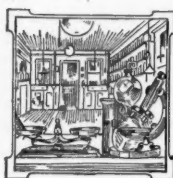
Moore-De Long, Ltd., Toronto, \$40,000. Wholesale and retail druggists. Arthur J. De Long, William P. Moore, Allen E. McFaul, Toronto.

Dionol Co., Canada, Ltd., Toronto. Manufacture chemicals. Albert Mearns, Gerald M. Malone, Everett L. Weaver, Toronto.

The 20-year 8% convertible gold bonds of United Drug Co., dated June 15, 1921, were redeemed at the Chase National Bank, New York, on Dec. 15. Price for redemption was 115% of the principal, with accrued interest to date of redemption. On and after the redemption date, Dec. 15, interest on the bonds lapsed. Bondholders were allowed to exercise their option of converting the bonds at face value into common stock at the price of \$110 per share prior to the redemption date.

Royal Baking Powder Co. has declared an extra dividend of 2 per cent in addition to the regular quarterly dividend of 2 per cent on the common stock. The regular quarterly dividend of 1 1/2 per cent was also declared on the preferred stock. All three dividends are payable Dec. 31, to stockholders of record Dec. 15.

The directors of Merck & Co. have declared the regular quarterly dividend of \$2 a share on the preferred stock, payable Jan. 2 to holders of record Dec. 17.



Drug & Fine Chemical

SECTION



The Upturn in Potash Permanganate

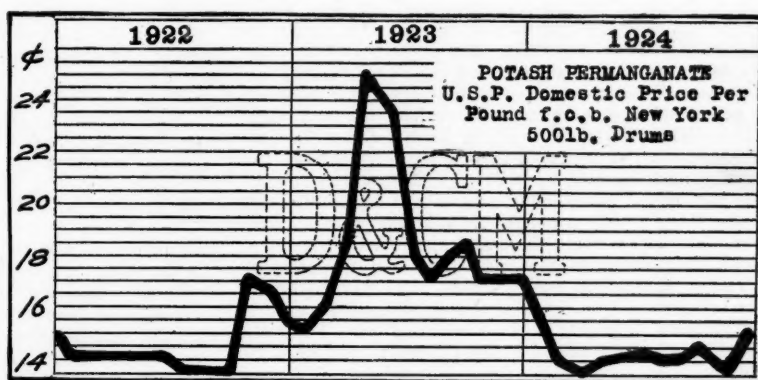
Can the American Price Be Kept Low Enough to Exclude Foreign Goods, and Make a Profit?

FOR the past year, stocks of potash permanganate have been accumulating in the spot market in large enough lots to keep a continued feeling of depression in existence. Since election, the last of the stray lots have passed into consumption, and now practically all supplies are well controlled by two holders. The domestic price is 15c pound, while imported material is held at 14½c pound. The bottom appeared to have been reached when sales were made at 12c pound about three months ago. Of course, part of the recovery in the price may be attributed to the general pick up in business, but dealers say that it is an invariable rule when an article commences to become scarce, everybody wants it.

Germany at the present time has a slight edge in respect to manufacturing costs, but with the 4c duty, the domestic manufacturer is reported able to meet competition. During the war period, when permanganate was selling at \$4.00 pound, efficiency in plant operation was secondary, but now when a reduction of an eighth of a cent in the cost of production spells success or defeat, the manufacturer seeks out any improvement in his method of making permanganate. Japan sold heavily in this market when permanganate was around \$4.00 pound, but when the market dropped to \$1.00 pound, they could not compete. For the last six months in 1923 and the first six months in 1924, the plant of the domestic manufacturer was closed down to undergo reconstruction so as to enable him to compete favorably with foreign producers.

Although 4c pound duty is sufficient protection now, if Germany should try to unload on this market, some attempt would probably be made to increase the duty under the flexible provision of the tariff. The domestic maker evidently does not think it necessary to appeal to the Government at the present time owing perhaps to the tendency to increase costs and prices abroad. When the costs of two countries differ only slightly over a long period, the average will usually balance, so that neither will have the advantage over the other for any length of time.

The discovery of a domestic source of raw materials has tended to cheapen domestic manufacturing costs. Deposits of manganese ores have been found in Texas and West Virginia, but the quality, of course, does not



compare favorably with the ore obtained in the Caucasus mountains. As long as deposits have been located, however, they may act as a check on foreign ore sellers, who are inclined to obtain rather unduly high prices. Caustic potash is now being obtained from the American manufacturer at Niagara Falls. Of course, the crude potash comes from abroad, but with an American supply of caustic, it appears the European manufacturer of both permanganate and caustic is held in check somewhat from advancing his caustic price and lowering the permanganate price in order to kill off American competition.

The European market is tightening up, and now permanganate is being quoted at 10c pound f.o.b. Hamburg, as a minimum, with 11c pound as a maximum price. These figures represent an advance of about 2c pound over the last six months. With the Dawes plan in operation, workmen in Germany demand higher wages, and consequently manufacturers are forced to ask higher prices for their products. Stocks have not been accumulating in Germany, according to reports, as European demand has been active during the past few months. If European consumption continues to keep pace with production, no weakness in the price abroad can be seen at present.

When import costs are higher than spot values, the question of time only is to be considered in regard to an advance of spot values in order to be in line with replacements. However, in the meantime domestic manufacturers might be in a position to furnish sufficient material to take care of all the demand from American consuming quarters. But since the domestic manufacturer has not been running at full capacity for some time back, the sale of imported goods has been made possible. If stocks are too heavy on spot, then

holders are naturally willing to shade their prices in the face of small demand.

About 100,000 pounds of permanganate were reported sold in the United States last month, which is fully equal to the country's monthly consumption, according to some directions. Others state that as low as 20,000 pounds is all that is normally sold in a month, or about 240,000 pounds yearly. The difference is so large that some one must be mistaken somewhere. Of this 100,000 pounds sold last month, a large part was disposed of to distributors, to be resold in the open market. The entire amount of course, may not be consumed for several months yet. Figures have also been placed at an annual consumption of 600,000 pounds, or about 50,000 pounds monthly. Naturally, the cheaper a product, the more uses to which it can be put. But in the case of permanganate, chamois and sponge dealers used it when the price was \$4.00 pound, and are reported to have no use for it at 15c pound.

Immediately after the importation of 100 tons about a year ago, the price commenced to sag until 12c pound was reached in a big way. The importer of this lot cannot be cited as the cause of the drop, because his price was 17½c pound for months after the domestic manufacturer and other importers had dropped their prices. The only reason such a large lot was shipped to America at one time was due to the fact that the German manufacturer wanted to get his material out of that part of Germany, which was about to be occupied by the French. He probably thought that the 100 tons would eventually come to America, and why not all at once? The result of this importation on the price of potash permanganate was probably more psychological, than otherwise. To have about one-third of a year's consumption brought in at one time, was naturally bound to affect the market, even though the goods were sent primarily to be sold over a long period. The importer of this 100 ton lot says that hereafter he will only import small quantities, as the market unquestionably misunderstood the reason behind the importation.

Both domestic manufacturers and importers have been attempting to stabilize the permanganate market, for they feel that if consumers pay less than manufacturing costs, the buyer will later on pay for any losses that might accrue. When the price advanced at the beginning of 1923 from 16c pound to 25c pound, several speculators bought large lots at 24c pound hoping for a substantial rise. When the price reached 28c pound in a small way, they were advised to sell, but one holder in particular thought that a margin of 3c pound was not sufficient. An actual scarcity existed at that time, as little was being imported and domestic manufacturers were not in a good position to take care of the full demand, and all signs pointed to much higher prices. (This speculator who had bought at 24c pound, is reported to still hold the goods, but as long as he is willing to keep the material, no material effect on the present market will be felt.

With cost figures at quite low levels and with raw material sufficient to last for some time to come, the domestic manufacturer cannot see any reason for any sharp advance in the market. A slight difference may occur in proportion to the import cost, but no scarcity is expected as in the past. On the other hand, imported material is strongly held, otherwise the price would not have been quoted at 17½c pound, when others were doing less than 14c pound. Although the imported figure at the present time is held at 14½c pound, on replacement values this price is not considered high.

The effect of prices for the last three years on the future market, probably shows to the importer and the domestic maker, the advisability of keeping the price within as small a range as possible in order to discourage

outsiders from buying up the material for a rise. Violent fluctuations are all right, say the importers, but when the price commences to drop considerable quantities of permanganate never reach the consumer, but are held out and disrupt the market later. The nearly even price during the major portion of 1924 has shown the result of fewer first hands dealing in permanganate. The imported price has varied little from the domestic manufacturer's price over a period of the last three years with the exception of the past month, where a differential of ½c pound is being maintained in favor of the imported material.

FRANCE FREES AMERICAN MEDICINALS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 17.—By a decree of Dec. 2, the French Government has decided to remove the restrictions hitherto imposed upon the admission of proprietary medicinal compounds from the United States, and to allow their entry under the same conditions as similar products from other favored countries, according to a cablegram from Assistant Commercial Attache John F. Butler, Paris, received by the Department of Commerce Dec. 9. These conditions are that the usual names and amounts of active substances (exclusive of chemical formulae and names), together with the name and address of the manufacturer, be plainly indicated in French on both the immediate and outer containers.

The French decree of April 19, 1923, had provided that medicinal compounds which were not specified in the tariff, nor mentioned in an official pharmacopoeia, would be admitted into France under the conditions indicated above, but definitely stipulated the qualification that this relaxation was not to apply to serums, virus, and vaccine matter, nor to medicinal compounds from countries which did not concede equivalent import advantages to French medicines. This privilege was not fully granted to products from the United States, owing to an apparent misconception on the part of the French authorities as to the restrictions imposed by the United States upon the importation of French medicinal preparations. Upon the presentation by Assistant Commercial Attache Butler of an official statement obtained from the United States Bureau of Chemistry, as to the liberal and non-discriminatory conditions for the importation of French pharmaceutical preparations into the United States, the French authorities have now removed the former restrictions and admitted products from the United States as one of the countries granting France reciprocally favorable treatment.

This change does not affect the import duties, which continue as heretofore—15 per cent ad valorem from the countries entitled to the minimum French tariff, and 60 per cent ad valorem from the United States and others to whom the full minimum duties of the French tariff are not extended.

The annual report of the Manufacturing Chemists' Association of the United States for the year ended May 31, 1924, has just been issued. The report covers the work of the various committees on technical and trade subjects, legislation affecting chemical products, standardization of apparatus, uniform sales contracts, and trade bulletin service.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42925) from Dhansukhlal Damodardas & Co., 71-73 Third Bhoiwada, Bhuleshwar, Bombay, India, for fine chemicals, essential oils, perfumery, drugs, and pharmaceutical products.

WHO'S WHO— in the Drug Industry

Gilbert Colgate, pres. Colgate & Co., Jersey City. Born, Orange, N. J., Dec. 15, 1858. Mar., Florence Buckingham Hall, Buffalo, June 7, 1888. Educat., Yale College, 1883. Business: Member of Colgate & Co. since beginning of active career, pres. since 1920. Member: Delta Kappa Epsilon, Scroll and Key, University Club, Yale Club, Down Town Club, Automobile Club, Garden City Golf Club, Pres. Amer. Manufacturers Toilet Articles. Hobbies, golf, bowling and automobilizing.

Donald N. Gilpin, pres. Gilpin, Langdon & Co., Baltimore. Born, Baltimore, Aug. 1, 1887. Mar., Madelaine Dixon, Boston, Feb. 1, 1911. Educat., A. B. Princeton, 1909. Business: Since 1909, with Gilpin, Langdon & Co., of which he is now president, also with Henry B. Gilpin Co. since 1909, of which concern he is now vice-pres. Capt. 315 Field Artillery, 1917-1918. Member: Baltimore Club, Eldridge Fox Hunting Club, Eldridge Hounds, Inc., Hartford Hunt Club, Bar Harbor Yacht Club, Green Spring Valley Hunt Club. Hobbies, hunting, yachting, golf.

Linus Benton Kauffman, pres., The Kauffman-Lattimer Co., Columbus, O. Born, Lancaster, O., June 11, 1858. Mar., Clara Norton, Springfield, O., June 12, 1884. Educat., Ohio Wesleyan, B.A., 1877; Amherst College, B.A., 1878. Business: Post trader, Crow Indian Agency, 1879-80; partner, Kauffman-Lattimer & Co., 1881-89; vice-pres. Kauffman Lattimer Co., 1890-1920; pres. 1920 to date; director public works, Columbus, O., 1899-1901. Member: Phi Beta Kappa, Masonic order, Elks. Hobbies, the woods and farming.

John C. Muth, senior member, Muth Bros. & Co., Baltimore. Born: Baltimore, Aug. 28, 1865. Mar.: Julia Smith, Nov. 20, 1893. Educat.: Rock Hill College, A.B. 1883, A.M. 1887. Business: Muth Bros. & Co. 1884, member firm 1900 to date; vice-pres. Loyola Building Assn.; director Natl. Bank of Baltimore, Century Trust Co., & Seaboard Mortgage Co. Member: Merchants Club, Rotary Club.

Sydnor Barksdale Penick, pres. & treas. S. B. Penick & Co., New York. Born: Culpepper, Va., March 26, 1882. Mar.: Margaret Henry Dabney, Lynchburg, Va., April 26, 1904. Educat.: Virginia private school. Business: Strother Drug Co., Lynchburg, Va. for 10 yrs., mgr. for the last 3 yrs.; S. B. Penick & Co. 1906 to date. Member: Drug & Chemical Club, Southern Society, Amer. Drug Mfrs. Assn. (vice-pres). Hobbies: family and work.

William A. Sailer, secy. & gen. mgr. Sharp & Dohme, Baltimore. Born: Paulsboro, N. J., Nov. 4, 1861. Mar.: Gertrude Kirkpatrick Garrison, Swedesboro, N. J., June 19, 1895. Educat.: Phila. College of Pharmacy. Business: for twelve years salesman in retail drug store of Geo. Hamilton, Swedesboro; John Wyeth & Bro.; sales mgr. 1894-1906, gen. mgr. 1896-1909; Sharp & Dohme, secy. & gen. mgr. 1909 to date, member Drug Trades War Service Comm. 1917-1919. Member: Baltimore Country Club, City Club, Baltimore; Amer. Drug Mfg. Assn. pres. 1921-1923, Baltimore Drug Exchange, pres. 1924. Hobbies: boating and fishing.

CRAMTON BILL SENT BACK TO COMMITTEE; OPPONENTS HAVE CHANCE TO BE HEARD

**Again In Hands of Senate Committee on Judiciary—
Recommitted With Practically No Debate—Request
Made by Senator Sterling of South Dakota—Victory
for Legitimate Alcohol Using Industries**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 17.—The Cramton bill was ordered recommitted to the Senate Committee on the Judiciary, at the request of Senator Sterling of South Dakota, on Saturday, Dec. 13.

The bill was recommitted with practically no debate. Senator Sterling made the request and Senator Robinson, Democratic leader, asked if the opponents of the bill would be allowed to give their views to the committee. Senator Sterling said that they would be given that privilege and no objection was made. This is a victory for representatives of the legitimate alcohol using industries, who have been opposing the bill, which is officially known as H. R. 6645.

The entire drug industry was united in the fight against the bill. In appealing to members of the National Wholesale Druggists' Association to urge senators to return the bill to the Committee on Judiciary a call was issued in November, in which it was stated:

"Pursuant to the resolutions adopted at the Atlantic City convention of The National Wholesale Druggists' Association, you are now urgently requested promptly to co-operate with the legitimate handlers and users of alcohol in the effort to prevent the passage at the coming session of Congress of the so-called Cramton bill, which deprives us of our right of appeal to the Commissioner of Internal Revenue from drastic and unnecessary regulations issued by the Prohibition Commissioner and transfers the supervision of all users of alcohol, whether non-beverage or denatured, from the experienced collectors of internal revenue and their assistants, who are familiar with the needs of industry, to the prohibition directors and their aids, many of whom have been demonstrated to be incompetent, fanatical or dishonest.

"The Cramton bill does not present an issue between the wets and the dries. The only question involved is whether the great industries of the country which use alcohol as a chemical raw material shall continue to obtain their supplies from the experienced and business-like officials of the Internal Revenue Bureau, who are in sympathy with industrial progress, or shall be forced to look for their alcohol to the officials of the Prohibition Unit engaged in policing law violators and who seems to have great difficulty in differentiating between honest business men and potential bootleggers."

The Cramton bill, which was forced through the House in the closing days of the last session by the use of unfair tactics, was smuggled out of the Senate Judiciary Committee without a meeting or hearing.

The Senate Committee on the Judiciary on Monday decided to refer the Cramton bill to a sub-committee for hearings and a report. The sub-committee has not yet been announced, but it is practically certain that Senator Sterling will be a member of it.

NAME SENATORS FOR CRAMTON HEARINGS (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 17.—The following sub-committee of the Senate Judiciary Committee was announced today to have charge of the hearings on the Cramton bill in accordance with its recent re-commitment to the committee: Senators Sterling of North Dakota, Means of Colorado, Butler of Massachusetts, Overman of North Carolina, and Reed of Missouri. No date was announced for the hearings.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1862

MERCURY ADVANCES ON ACTIVE BUYING

Spot Stocks Reported Less Than 100 Bottles—Menthol Easier—Fusel Oil Quiet—Alcohol Active—Citric and Tartaric Acids Firm—Codliver Oil Higher—Bromides Active—Thymol Scarce—Potash Permanganate Firm—Potash Iodide Cut Twice by Makers

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

		Advanced	
Cod Liver Oil, Norwegian, 50c bbl.		Mercury, \$5.00 flask	
		Declined	
Bay Rum, St. Thomas, 10c gal.		Menthol, 25c lb.	
Cream Tartar, Imp., 1c lb.		Potassium Iodide, U.S.P., 30c lb.	
Haarlem Oil, Imp., 25c gross		Rochelle Salt, U.S.P., Imp., 1c lb.	

	Trend of the Market				
	Today	Last Week	Last Month	Last Year	War Peak
Acetanilid	\$36	\$36	\$36	\$32	\$2.00
Acid Citric, Import .....	.46	.46	.46	.47	1.25
Caffeine Alkaloid	3.50	3.50	3.50	4.00	18.00
Calomel, American	1.22	1.22	1.22	1.25	3.43
Camphor, Jap., ref. ....	.67	.67	.67	.85	3.55
Iodine, Resublimed	4.75	4.75	4.75	4.55	5.00
Menthol	13.00	13.75	14.00	11.00	13.50
Potassium Bromide, Cryst. ....	.48	.48	.48	.26	4.30
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90
Sodium Salicylate .....	.40	.40	.40	.40	4.25
Strychnine Sulfate .....	.49½	.49½	.49½	.68	2.05
Average	2.35	2.42	2.44	2.21	5.92

The advance in quicksilver during the week has been the outstanding feature. Sales were made at the beginning of the week at \$73 per flask in spite of the rumors that one seller was naming \$71 per flask. One large importer predicted some time ago that if mercury should reach \$68 per flask, consumers would come in and buy and drive the market up. He also said that when increased production was felt on spot, the price would decline. Basically, the fine chemical market is firm in view of the closely held stocks, and the general higher replacement costs. Weak items appear, but they are becoming fewer as inquiry broadens. Any large buying of imported chemicals will probably see prices move upward. In view of the proximity of the inventory period, however, no sudden advance is expected. The 1,800 kegs of tartaric acid imported at New York last week, are to be delivered on contract, otherwise, the quantity would be sufficient to break the market. The arrival of cheaper menthol has resulted in lower prices on spot.

Acetanilid—Quoted 36c@38c lb. spot as to maker and quantity. Resale quarters name 35c lb. Based on the raw materials, one maker states higher prices ought to rule.

Acid, Acetylsalicylic—The resale market is still under makers at 72½c@75c lb., and manufacturers 75c@85c lb. Demand has been on the increase.

Acid, Citric—Imported is steady at 46c@46½c lb. spot, although in a large way 45½c lb. is possible. Tendency is to higher figures, when taking import costs into consideration. This item, however, has been lower than import for the past four months, and buyers are still inclined to believe that it will be lower than import for some time to come. Domestic, 46c@47c lb.

Acid, Diethylbarbituric—Imported quoted in ample supply at \$4.25@4.50 lb. spot as to quantity. Bulk goods obtainable at \$4.00 lb. Domestic named \$8.00@9.00 lb.

Acid, Phosphoric—Syrupy, 85 per cent, named at 15c @17c lb. spot as to seller and quantity, and resellers at 15c@16c lb. Imported goods are reported off the market.

Acid, Salicylic—Makers are firm at 35c lb. spot, and resellers at 33c@34c lb.

Acid, Tartaric—Imported is firm at 27c@27½c lb. spot as to quantity with tendency to higher figures owing to high import costs. Last week 1,800 kegs were imported at New York, but this arrival is to be delivered on contract.

Alcohol—Demand has been active, and some of the recent new outlets have caused stocks to become reduced considerably. Reports state that in the manufacture of lead tetraethyl, a car a day is being consumed. No. 1 specially denatured named at 57½c@59½c gal. spot in drums as to quantity. No. 6 completely denatured, 55½c@57½c gal. in drums.

Aloin—Firm at 88c@90c lb. spot.

Amidopyrine—In active demand at \$4.60@4.65 lb. spot as to quantity for domestic material, and \$4.70@4.90 lb. for imported goods.

Antipyrene—In small demand at \$1.90@2.00 lb. spot.

Bay Rum—St. Thomas has declined to 95c@\$1.05 gal. spot as to quantity owing to easing off in demand and tendency to accumulation of spot stocks. Porto Rican also lower at 95c@\$1.05 gal. Domestic, 85c gal.

Bromides—Although demand is none too active, supplies at the same time are none too plentiful. Imported ammonium, 49c@51c lb. spot; potassium, 42c@44c lb.; and sodium, 43c@45c lb. Domestic firm at 54c lb. for ammonium, and 48c lb. for either potassium or sodium material.

Camphor—Spot business quiet at 67c@68c lb. for 2½-lb. Japanese slabs, although some fair sized inquiries have been filled for shipment. Domestic, 80c lb. in bulk.

Castor Oil—U.S.P. firm at 17½c@18½c lb. spot as to quantity.

Cocoa Butter—Bulk goods firm at 30c@31c lb. spot, and fingers at 34c@36c lb. as to seller.

Codliver Oil—Norwegian has advanced on spot, and now quoted at \$29.00@\$30.00 bbl. as to seller and quantity. Reports are heard that the new season will open without any carry-over at all. The consumer, who wanted to purchase at \$17.00 bbl., is still uncovered. Imports last week at New York were 1,177 barrels.

Cream Tartar—Imported has declined to 19c@20c lb. spot for U.S.P., and domestic at 21¼c@21½c lb.

Cresol—U.S.P. in better demand at 22c@23c lb. spot as to quantity.

Formaldehyde—Makers report better contract than spot business. Quoted generally at 9¼c@9½c lb. works in c.l., although some makers are still doing 9c lb.

Fusel Oil—Demand weak, and price is \$2.80@\$3.00 gal. spot as to quantity. Spot stocks were added to last week by a fair sized importation.

Glycerin—C.P. in active demand at 19c@19½c lb. spot in drums, and dynamite at 17¼c@18c lb. as to seller and location.

Haarlem Oil—Imported has declined to \$3.75@\$4.00 gross owing to the arrival of cheaper material. Domestic held at \$2.75 gross.

Iron and Ammonium Citrate—Steady at 69c lb. spot.

Menthol—Has declined to \$13.00@13.50 lb. spot owing to the arrival of cheaper goods. Stocks are none too plentiful, but demand is also light. Jan.-Mar. shipment is named at \$10.00 lb. c.i.f. New York. Reports are heard that the new crop oil has been bought up at fairly high prices.

Mercury—Easily the feature of the week. Quoted higher at \$76.00@77.00 flask owing to higher replacement costs as well as spot. Stocks in New York are said not to exceed 100 flasks. London quotes £11 15s per flask, an advance from £10 5s per flask. One seller was quoting \$71.50 flask the last of the week, but on checking up, it was found that he had little quicksilver at this price.

Podophyllin—Makers still name \$5.20@5.40 lb. spot, and resale quarters \$4.75@4.90 lb.

Potassium Iodide—Has declined and now quoted at \$3.50@3.60 lb. spot by makers in spite of the firm position of iodine.

Potassium Permanganate—Makers firm at 15c@16c lb. f.o.b. New York, and imported at 14½c@15c lb. with the possibility of doing 14c lb. in a large way.

Saccharin—In active demand at \$1.90@2.10 lb. spot as to quantity.

Santonin—Firm and active at \$150@157 lb. spot as to quantity.

Sodium Benzoate—In small demand at 62c@65c lb. spot as to quantity. In a large way, these prices may be shaded.

Thymol—In active demand and scarce at \$5.50@5.75 lb. spot as to seller.

MAY START GOVERNMENT LIQUOR STORE

In accordance with the plebiscite taken last Summer in Saskatchewan when the electors by a large majority voted for the sale of liquor under Government control, the Provincial Government has introduced a bill in the Legislature for the establishment of Government liquor stores. Purchasers will be allowed to buy in quantities not exceeding one quart of spirituous liquor, two gallons of wine and four gallons of beer weekly.

The business will be managed by a board, to consist of one, two or three members as the Government may decide. General liquor stores may be established in each of the seven cities and the Town of Yorkton. The rest of the province is divided into districts where the Government may establish stores for the sale of beer only. All liquor is to be sold in sealed packages for cash only. Provision is made for local option, districts being given the right to close the stores if they see fit. Doctors, druggists, dentists and veterinaries are left in the same position as at present and may supply liquor under prescription and permit.

J. Clifford and Samuel R. Rosengarten, sons of Frank H. Rosengarten of Philadelphia, who died May 7, 1923, receive the bulk of their father's estate of \$824,380 by award of Judge Thompson, in Orphans' Court, in accordance with Mr. Rosengarten's will.

Merck's Price List for December gives advances in acid hydrobromic, alkaloids, balsam peru, ether U.S.P., ether motor, lead acetate, mannite, and tin oxide; and declines in antipyrine, bismuth preparations, and citrates.

The Bureau of Foreign Commerce, Chicago Association of Commerce, Chicago, has received an inquiry (4188) from a concern at Mexico City, Mexico, in the market for tin foil caps for bottles of all kinds.

CASTOREUM SHARPLY HIGHER IN LONDON

Advances Made In White Pepper, Cloves for Shipment and Mercury—Chloral Hydrate Firmer—Menthol, Oil Cassia and Balsam Tolu Easier—Carnauba Wax, Litharge and Shellac Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Dec. 17.—Trading in drugs and chemicals is quiet. Higher prices are asked for castoreum, which advanced 40 to 100 per cent at the Drug Auction sales, white pepper, cloves for shipment, and mercury. Chloral hydrate is firmer.

The market is easier for menthol, oil cassia and balsam tolu.

Carnauba wax, litharge and shellac are lower.

London, Dec. 6 (By Mail)—Business in the drug and chemical markets is less brisk owing probably to the overhanging auction held on Nov. 27. Hudson Bay Co.'s sale of Castoreum will have been held by the time this report is published. About 2,100 lbs. are to be offered. So far no supplies from Oregon have been received.

Sennas are more freely offered and are selling at easier rates, fair medium greenish realizing 4½d and 5d per lb.

Mexican sarsaparilla, gray, is selling 5d per lb. cheaper, at 1s3d to 1s6d per lb.

Senega, good fair new, is 2s8d per lb.

Menthol, Kobayashi—A few cases have been sold without reserve up to 51s6d; regarded as a "bear" sale.

Ergot of Rye, Spanish, comes over again dearer at 2s6d per lb. c.i.f. Cloves are distinctly firmer on the spot Zanzibar 1s1d to 1s2d per lb. present shipment 11¾d to 1s c.i.f.

Peppermint oil, American. The upward movement continues with sales at 38s-39s on the spot, and up to 41s6d per lb. offered c.i.f. to arrive. Mint oil, Japanese, is scarce at 24s per lb. which is higher.

Codliver oil is very firm on spot; 125s per barrel is wanted and prompt shipment from Norway is quoted 123s6d c.i.f.

Opium—Buyers from Japan and the United States have appeared on the Smyrna market and Turkey. 11% is now higher in London quoted at 31s per lb., ex wharf.

Business of United States Industrial Alcohol Co. is at the peak, with outlook good for continued capacity operations to the close of the year, says the "Wall Street Journal". Demand for alcohol for anti-freeze purposes in motor vehicles, which is becoming an increasingly important seasonal factor, is up to expectations of company officials. "Business is entirely satisfactory," according to H. S. Rubens, president. Prices of all grades of alcohol are 10 cents higher than at the close of 1923.

A cargo of vanilla beans valued at \$80,000 arrived at San Francisco Nov. 29 from Australia. Frank C. Kugelberg, of Williams, Dimond & Co., says that 75 per cent of the output of the Tahiti vanilla bean industry reaches the market through San Francisco, the other 25 per cent going to France, England and New York direct. Imports of vanilla beans for the current year at San Francisco are valued at about \$400,000.

Powers-Weightman-Rosengarten Co., Philadelphia, has issued the December price list in which advances are given on oil cloves, antimony salts, carbon tetrachloride, collodion, potassium permanganate, santonin, and thymol; and decline on menthol.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1871

DANDELION ROOT DECLINES TO 23c POUND

Owing to Cheaper Import Costs and Slow Spot Inquiry—Amber Sorts Higher—Ipecac Root Lower—Roman Chamomiles Easier—Fish Berries in Better Supply—Spanish Saffron Flowers Scarce—Lobelia Herb, Marjoram Leaves and Honduras Sarsaparilla Root Scarce

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Arabic Gum, Amber Sorts, ½c lb.	Gentian Root, Powd., 1c lb.
Blueflag Root, 3c lb.	Ginger, African, ½c lb.
Caraway Seed, Dutch, ¼c lb.	Quince Seed, 6c lb.
Cloves, Zanzibar, ½c lb.	Saffron Flowers, Spanish, \$1.00 lb.
Gambier Gum, 1c lb.	Sarsaparilla Root, Honduras, 5c lb.
Valerian Root, Belgian, 1c lb.	
Declined	
Cascara Amarga, 25c lb.	Guarana, 5c lb.
Celery Seed, ½c lb.	Ipecac Root, Cartagena, 5c lb.
Chamomile Flowers, Rom., 4c lb.	Japan Wax, ½c lb.
Dandelion Root, 2c lb.	Lycopodium, 2c lb.
Fish Berries, 15c lb.	Saffron Flowers, Am., 10c lb.
	Spermoceti, Blocks, 4c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$35	\$35	\$35	\$30	\$90	\$42
Buchu Leaves, Short .....	.76	.76	.76	.90	4.00	.85
Cantharides, Russian .....	.86	.80	.80	1.25	9.00	2.10
Cocculus Indicus .....	.12	.03	.03	.08½	.85	.03
Ergot, Spanish .....	.60	.60	.65	.38	4.50	.54
Insect Powder, pure .....	.44	.44	.46	.65	1.00	.28
Ipecac, Cartagena, Powd. .	2.35	2.50	2.50	2.60	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	.14½	.07
Opium gum	12.00	12.00	12.00	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.35	.37	.36	.34	1.75	.15
Tragacanth, No. 1, ribbon. .	1.15	1.15	1.15	1.35	6.00	1.50
Wild Cherry Bk., thin nat. .	.08½	.08½	.08½	.14	.21	.07
Average	1.58	1.58	1.59	1.35	5.28	1.60

The tendency of buyers will be to keep purchases to a minimum for the balance of the year. Dealers are not willing to predict what will happen after the first of the year. They do feel, however, that buying will take place to cover manufacturing requirements, which were allowed to lag owing to the inventory period. After the turn of the year, an increase in scarcities is possible, unless dealers have bought for delivery at this time in order to take care of the expected demand for botanicals. At present it seems to be a seller's market. A number of importers are refusing to stock high priced items, and the ones who have done so are able to hold prices up.

Aconite Root—While demand is quiet on spot, prices remain unchanged at 35c@37c lb. for root, and 10c@12c lb. for leaves.

Agar Agar—Market is firm at \$1.55@\$1.60 lb. spot for No. 1 material, and \$1.30 lb. for No. 3 quality. Production appears to keep pace with demand, and at no time has it exceeded consumption during the past year.

Alkanet Root—In active demand at 8c@9c lb. spot as to quantity.

Aloes—Curacao firm at 10½c@11c lb. spot, and Cape at 8½c@9c lb.

Anise Seed—Spanish is in small demand at the moment at 15c@15½c lb. spot as to quantity. Star is also quiet at 11c@11½c lb.

Arabic Gum—Amber sorts have advanced to 13c@13½c lb. spot owing to scarcity. Some arrivals have been noted within the last two weeks, but they have already passed into consumption.

Asafetida—Whole firm and active at 23c@25c lb. spot, and 40c@42c lb. for powdered material.

Balsams—Oregon steady at \$1.05@\$1.15 gal. spot, and Canadian at \$11.00@\$11.50 gal. The Coast has been firm for some time past, but not until recently has the spot market shown any sustained firmness. For other balsams see "The Essential Oil Market."

Belladonna Leaves—Generally quoted at 26c@27c lb. spot, although some houses are doing 25c lb. Goods awaiting release from the customs are being held at 26c lb. Root, 13c@14c lb.

Blueflag Root—Higher at 30c@32c lb. spot as to quantity owing to higher replacement costs.

Buchu Leaves—While the market is generally quoted at 76c@78c lb. spot in bales, some houses are naming as low as 74c lb. Less than bales quoted at 81c@83c lb.

Caraway Seed—Dutch has advanced to 10½c@10¾c lb. spot due to reduction in supplies in first hands. Europe has been buying heavily. African, 10c@10½c lb.

Cardamom Seed—Buying interest is still active, and stocks have been thereby materially reduced. Bleached quoted at \$2.10@\$2.40 lb. spot as to seller, and decorticated at \$1.90@\$2.00 lb.

Cascara Amarga—Has declined, and now quoted at \$1.50@\$1.75 lb. spot as to quantity. The so-called is named at 50c@65c lb.

Cascara Sagrada—Spot goods are named firm at 14½c@15c lb. for new peel, and 21c@28c lb. for old bark. The Coast varies from 12c to 15c lb. f.o.b. Some other dealers are not offering for shipment.

Celery Seed—Easier at 30c@30½c lb. spot as to quantity.

Chamomile Flowers—Roman has eased off further, and now quoted at 18c@20c lb. spot owing to lower shipment figures. Hungarian, 6½c@7c lb.

Cinchona Bark—Broken firm and active at 26c@27c lb. spot, and quills at 50c@52c lb.

Cloves—Zanzibars have advanced to 30c@31c lb. spot owing to scarcity.

Condurango Bark—Easy at 15c@18c lb. spot as to quantity.

Damiana Leaves—Scarce and closely held at 40c@42c lb. spot as to quantity.

Dandelion Root—Has declined, and now quoted at 23c@25c lb. spot as to seller and quantity. Although shipment price is not any easier, spot stocks have commenced to accumulate.

Elm Bark—Select firm at 26c@28c lb. spot, and powdered at 23c@25c lb.

Ergot—While no sharp advances have been noted in this item during the past two weeks, the position is exceptionally firm, and the trade is looking for higher prices after the turn of the year. Quoted at 60c@65c lb.

Fish Berries—Lower at 12c@13c lb. spot owing to the arrivals of two fair sized lots last week.

Gentian Root—Whole firm at 8½c@9c lb. spot, and powdered material higher at 12c@13c lb.

Insect Powder—Market firm at 44c@46c lb. spot with replacements about equal to these figures. Some forward business has been done, but importers think that prices in Japan are too high.

Ipecac Root—Cartagena, whole, lower at \$2.15@2.20 lb. spot as to seller, and powdered at \$2.35@2.45 lb. due to better supplies on spot. Rio also lower at \$2.10 @ \$2.15 lb., and powdered at \$2.35@2.45 lb.

Japan Wax—Lower at 15½c@16c lb. spot owing to slow demand.

Larkspur Seed—Firm and active at \$2.50@3.00 lb. spot.

Lobelia Herb—Firm at 34c@36c lb. spot, although in large way 33c lb. can be done. Supplies are tending scarce. When one dealer was quoting 25c lb., others sold under at 18c lb., but when the cheaper sellers wanted to replace, they found much higher prices, in fact, they could not find any stocks in the producing areas.

Lycopodium—Easier at 55c@57c lb. spot, although stocks are none too plentiful in spite of the lower quotation.

Marjoram Leaves—French firm and active at 40c@45c lb. spot, and German 29c@31c lb.

Orris Root—Florentine firm at 12c@13c lb. spot for powdered, and 9c@10c lb. for whole material.

Quince Seed—Higher at 78c@90c lb. spot due to firmer import costs.

Rhubarb Root—Quoted firm at 35c@37c lb. spot for whole as to seller, and powdered 43c@45c lb.

Saffron Flowers—Spanish have advanced to \$43@44 lb. spot owing to scarcity. American lower at 60c@64c lb.

Sarsaparilla Root—Honduras higher at 65c@70c lb. spot as to quantity. Mexican at 19c@21c lb.

Senega Root—Firm at 58c@59c lb. spot. Export demand active.

Spermaceti—Blocks easier at 38c lb., and cakes at 43c lb.

Valerian Root—Higher at 13c@14c lb. spot as to quantity.

Biddle Purchasing Co. bowling team won two games out of three from the Drug Trade "Seniors" in the Wholesale Drug Trade Bowling Association at the Colgate alleys, Jersey City, on Monday night, Dec. 8. Powell of Biddle Purchasing Co. team was the high scorer with 223. Colgate No. 2 team won three games from Klipstein & Co. on the same night. Piasecki was high scorer with 187.

The National Wholesale Druggists' Association has sent a check for \$100 to D. Charles O'Connor for his essay on "Essential Value of the Wholesale Druggist to the Retailer." Mr. O'Connor is author of "Commercial Pharmacy" (J. B. Lippincott Company) one of the standard works on the subject. Mr. O'Connor is first assistant manager of Liggett's Drug Store, 182 Tremont st., Boston.

The Cramton bill, which would transfer the administration of industrial alcohol from the Internal Revenue Department to the Prohibition Unit, was attacked by Dr. L. H. Baekeland in an address before the Cornell Club of New York on Thursday evening, Dec. 11.

J. B. Cobb, who died at Stamford, Conn., in April, 1923, left an estate of \$4,085,057, chiefly securities, the largest item being holdings in United Drug Co. appraised at \$1,600,000.

The National Association of Retail Druggists will hold its 1925 annual convention in Memphis, Tenn., in September.

AMERICAN OPIUM PLAN OPPOSED

Delegates from Japan, India and Switzerland are Against Board of Control

The American proposals for control of opium production by limiting it to medicinal and scientific needs were severely criticised during the week by Swiss and Japanese delegates to the Opium Conference at Geneva and by Mr. Clayton the delegate from India. Mrs. Hamilton Wright, of the American delegation suggested sending expert committees into opium producing countries to decide the manner in which production can be reduced with the least loss to their nationals. Mr. Clayton, the Indian delegate, raised objections which turned into a heated argument. Mrs. Wright declared that while all the nations of the East, were trying to emancipate themselves from opium, India was still using it, despite infant mortality and demoralization of the people.

Mr. Clayton retorted that India's consumption of opium was slightly less than that of the United States. Further, while America acknowledged she was unable to control consumption, statistics published both by the Government and the national press showed that during sixty years of consumption the control policy adopted by India had been entirely vindicated. Indians, he added, did not use opium as Westerners did.

Switzerland barred the way and other nations followed her lead in rejecting the American proposal for a Central Board for checking consumption of narcotics in various nations. Switzerland is a drug manufacturing nation and her refusal was pointblank to have any Board supervise her manufacture or export of drugs.

These objections to the American plan were followed by the withdrawal of Mr. Sugimura, Japanese delegate, from the sub-committee which was considering compromise plans framed to meet objections to the American proposal for a Board of Control. "I respectfully ask leave," he said, "to withdraw from the sub-committee. Have nothing more which I can give it. During the last eight months have been making every effort to help reach a decision and am worn out. I have no hope any decision can be reached now by the people at present engaged in the discussion, and my conscience will not permit me to continue. The only hope of any agreement being reached is by a change in the personnel of the sub-committee. It needs new minds, new suggestions."

After the Council of the League of Nations took favorable action in favor of the American plan, on Dec. 10, the tide of opposition turned and there seems better than an even chance that the second opium conference will be able to take effective measures to suppress the traffic in drugs. Discussion of paragraph 8, article II., of the American plan, after rallying practically all votes except the opium bloc, was postponed until Tuesday to permit the delegates of the opposition to consult their Governments.

DRUGS ACTIVE IN MILAN MARKET

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, Dec. 6.—The demand for drugs is good. Quotations are as follows per 100 kilos: Spanish anis, 700 to 800 lire; Ceylon cinnamon, 3,100 to 3,400 lire; chamomiles, 450 to 480 lire; flowers of thyme, 600 to 620 lire; Zanzibar cloves, 2,600 to 2,700 lire; Geraci manna, 1,700 to 1,750 lire; nutmeg, 2,200 to 2,300 lire; Bari mustard, 400 to 420 lire; senna leaves, 650 to 700 lire; Bourbon vanilla, 550 to 600 lire; Spanish saffron, 1,600 to 1,650 lire.

The Essential-Oil Market

Current Spot Quotations of Essential Oils, page 1885, Aromatic Chemicals, page 1886

OIL LEMON ADVANCES 2c POUND ON SPOT

Only Small Stocks Available Under \$1.00 lb.—Oil Ginger Higher—Oil Peppermint Again Firmer—Oil Caraway Easier—Oil Cardamom Firmer—Oil Wormseed Lower—Terpineol Weak—Balsams Firm

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Oil Cardamom, \$1.00 lb.	Oil Peppermint, Nat'l., 50c lb.		
Oil Ginger, \$1.50 lb.	Redistilled, 50c lb.		
Oil Gingergrass, 25c lb.	Oil Tansy,		
Oil Lemon, Italian, 2c lb.	Citral, 25c lb.		
Oil Lemongrass, 5c lb.	Ginger, Oleoresin, 75c lb.		
Oil Caraway, 20c lb.	Oil Wormseed, 15c lb.		
Oil Cloves, 5c lb.	Terpineol, Dom., 2c lb.		

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.65	\$3.75	\$3.40	\$2.90	\$7.00	\$5.00
Oil Citronella, Ceylon .....	.75	.75	.73	.95	1.02	.60
Oil Cloves	2.00	2.10	2.10	2.30	3.70	1.40
Oil Lemon, Italian	1.00	.98	.90	.75	1.70	2.00
Oil Peppermint, Nat.	10.00	9.50	8.00	3.25	9.00	2.25
Oil Sandalwood, E. I.	6.85	6.90	7.00	6.90	14.00	5.25
Oil Sassafras Artif. ....	.35	.35	.35	.38	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.60	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cans. ....	.47	.47	.47	.47	1.00	.90
Vanillin .....	.49½	.49½	.49½	.50	.95	.20
Average	2.76	2.74	2.51	2.24	6.83	2.05

With consumers coming into the market while supplies are somewhat limited, any downward movement appears to be far remote. In spite of the usual custom to buy lightly at the end of the year, December will show the high water mark for the year in so far as prices are concerned, and some dealers say that the volume will reach proportions greater than any month this year as well as 1923. Contracts are being made so far ahead that some importers think spot quotations are being affected somewhat. Of course, business transacted for delivery eight months from now diminishes the primary market supplies, and keeps the spot market in a more or less tight situation. On the other hand, some importers feel that a more stable market is maintained by anticipating requirements, and that the daily fluctuations are eliminated to a considerable extent. Whatever is offered for shipment appears to be taken up quickly, excepting oils caraway and wormseed. A further stiffening of country peppermint prices has caused another advance on spot. The prediction made some time ago that \$12 mint was entirely possible, seems to be nearing a reality.

Essential Oils

Oil Almond—Sweet is firm and scarce at 85c@90c lb. spot with tendency to higher figures. Reports state that nothing is being offered from France. Bitter, \$3.15@ \$3.25 lb. spot, and fPA \$3.25@ \$3.50 lb.

Oil Angelica Root—Steady at \$28@ \$30 lb. spot.

Oil Anise—While odd lots are obtainable for less than 60c@62c lb. spot for U.S.P., the market is generally quoted at these figures. Technical, 58c@60c lb.

Oil Bay—Goods are obtainable at \$2.20@ \$2.30 lb. spot, although one house is inside at the maximum.

Oil Bergamot—Sales of coppers were made the first part of last week at \$3.45 lb. but now this seller has moved his price up to \$3.65 lb. owing to firm position

in Italy. No offerings were received on spot last week. The damage has been reported slight, but one importer states that this report was issued because either a short interest exists or somebody wishes he had got in before the market advanced.

Oil Bois de Rose—In active demand at \$4.75@ \$5.00 lb. spot. Supplies tending scarce.

Oil Camphor—Japanese steady at 14c@14½c lb. spot in cases, and 13½c@14c lb. in drums.

Oil Caraway—Has declined and now quoted at \$2.80@ \$3.00 lb. spot owing to accumulation of stocks. Little forward buying is going on at the present, because importers still think that still lower prices will prevail.

Oil Cardamom—Quoted higher at \$35@ \$37 lb. spot due to strength of seed.

Oil Cassia—Redistilled steady at \$2.70@ \$2.90 lb. spot with shipment named at \$1.90 lb. laid down in New York. Today's shipment price is considered a good buy under present conditions, according to one large importer. Cables from London report an easier market. Imports last week at New York were 19 drums.

Oil Cedar Wood—Firm and scarce at 80c@90c lb. spot.

Oil Citronella—Ceylon is firm at 75c@82c lb. spot as to quantity, although some say 73c lb. can be done in a big way. Primary market is tending upward owing to advancing exchange rates. Java is practically off the spot market. Arrivals in a few days are quoted at \$1.55 lb. Reports are heard that Europe has been buying heavily. Some importers think that later on they will offer these goods in New York.

Oil Cloves—Lower at \$2.00@ \$2.10 lb. spot for cans, and \$2.10@ \$2.20 lb. for bottles.

Oil Erigeron—Firm at \$3.75@ \$4.00 lb. spot as to quantity.

Oil Eucalyptus—Market steady at 57c@59c lb. spot in drums, and 59c@61c lb. in cases.

Oil Ginger—Has advanced sharply, and now quoted at \$12.00@ \$13.00 lb. owing to scarcity and higher cost of raw materials.

Oil Gingergrass—Firmer at \$3.00@ \$3.25 lb. spot.

Oil Juniper Berries—Supplies tending scarce at \$1.85 @ \$2.00 lb. spot.

Oil Lavender—U.S.P. firm at \$5.50@ \$8.00 lb. spot. Last week 45 cases were imported at New York. Spike tending to scarcity at \$1.10@ \$1.25 lb. with replacements named at \$1.50 lb.

Oil Lemon—Italian has advanced to \$1.00@ \$1.20 lb. spot as to seller and brand. New crop material is being offered at 67c lb. c.i.f. for Jan.-Mar. shipment. American, 85c@90c lb.

Oil Lemongrass—Has advanced again to \$1.20@ \$1.30 lb. spot as to quantity.

Oil Orange—Italian quiet, though firm, at \$2.90@ \$3.20 lb. spot as to seller and quantity with shipment still named at \$2.25 lb. c.i.f. New York. West Indian, \$2.70 @ \$2.80 lb., and American, \$2.75@ \$2.80 lb.

Oil Peppermint—Natural has advanced to \$10.00@ \$10.50 lb. spot, and distilled \$10.50@ \$10.75 lb. owing to firmer position in the country, where the price has been raised from \$9.50 lb. f.o.b. to \$9.75 lb. Demand remains active both for spot consumption and for export.

Oil Sandalwood—East Indian generally quoted at

\$6.85@7.10 lb. spot as to seller and quantity. Some inferior material is being sold on the market, according to reports.

Oil Tansy—American higher at \$3.20@3.30 lb. spot as to quantity, due to scarcity.

Oil Wormseed—Has declined again, and now quoted at \$3.25@3.40 lb. spot as to quantity. Stocks on spot have been accumulating, and country holders appear to be offering more freely.

Balsams

Peru—Firm at \$2.00@2.10 lb. spot as to quantity.

Tolu—Has advanced to \$1.70@1.80 lb. spot as to quantity. Stocks becoming reduced. Cables from London state an easier market.

Oleoresins

Ginger—Sharply higher at \$4.25@4.75 lb. spot owing to advance in the raw product.

Cubeb—Quoted easy at \$4.00@4.50 lb. spot.

Vanilla Beans

Bourbon—In steady demand at \$9.00@9.50 lb. spot.

Mexican—Whole firm at \$11.00@12.00 lb. spot, cuts in better supply at \$9.00@9.50 lb.

Aromatic Chemicals

Coumarin—In steady demand at \$3.25@3.45 lb. spot as to quantity from makers, and \$3.25@3.30 lb. from resale quarters.

Diethylphthalate—Quiet at 35c@40c lb. spot in drums, and 40c@45c lb. in cans.

Terpineol—Lower at 42c@49c lb. spot for domestic as to quantity, and imported 50c@55c lb. Market weak, and competition keen for available business.

PERFUME FACTORY ESTABLISHED IN SYRIA

A perfume extracting factory has been established near Beirut, Syria, at a place called Tayounch, where a plantation of cassia trees of about ten hectares (25 acres) yields an average of 10,000 kilos of blossoms per hectare. The high yield of blossoms is due to the Lebanese climate. The production of jasmine averages from ten to twelve thousand kilos per hectare per annum. In the higher altitudes the production of rose petals reaches 35,000 kilos per hectare per annum. Two large rose farms are maintained near Shtera, in the Bekaa plain, and it is from these that the major portion of the rose petals, which are used in the manufacture of attar of roses, comes. A French group contemplates the erection of one or two factories for the treatment of blossoms to extract perfumes. It has been stated that France would take extracts to the value of 50,000 francs per year.

Jerome T. Adler of LaFleur Laboratories and Ben Schwartz of Fisher Chemical Co., Cleveland, have made charges against three policemen and a deputy sheriff of extorting money from them in connection with the use of alcohol in their business.

L. P. Lamoureux, of Belgian Trading Co., New York, essential oils and synthetic aromatics, has returned from a four weeks' trip through the Northwest. He says that consumers are broadening their purchases.

George K. Drexel, perfumer for Wm. H. Brown & Bro. Co., Baltimore, spent a few days in New York last week.

Richard Hudnut, New York, perfumes, held a sales conference at Hotel Astor, New York, Dec. 15-18.

COLGATE & CO. ACQUITTED OF PRICE FIXING

Colgate & Co. were found not guilty of violating the Sherman Anti-Trust law in the United States District Court at Newark, N. J. The suit was filed three years ago, but the trial was not begun until about two weeks ago. Judge William N. Runyon presided.

The complaint alleged that Colgate & Co. had entered into a combination with wholesalers and jobbers to fix the resale price of soap, perfumes and other merchandise manufactured by the company.

In instructing the jury to return a verdict of not guilty, Judge Runyon said that the Government had failed to show the existence of a combination.

"It appears that all the evidence in behalf of the Government has simply established the so-called policy of the Colgate corporation," Judge Runyon said, "This is a policy under which they made their selection of their jobbers and in the maintenance of which the jobbers and other dealers had their election to accept or reject it."

"I have been unable to interpret an agreement with their jobbers, or a combination, or a conspiracy. I have felt that it was a rigorous attitude that has been adopted by the Colgates; and if any one did not abide by that policy, he was shut off. The Colgates, I take it, have the right to trade with whom they please. Therefore, as I understand the evidence, there was no solicitation for the resumption of trade relations. If the dealers wanted to come in, they could come in or they could stay out."

The indictment under which Colgate & Co. were brought to trial was returned by a Federal Grand Jury in Trenton in 1920. There were fifty-one counts in the indictments which specifically accused the company of having a written agreement with wholesale dealers in their product to fix retail prices.

SANDALWOOD ADVANCES 175R. PER TON

Price Gradually Going Up Under Regulations Imposed By the Mysore Government

Sandalwood was sold recently at auction at Coorg, India, at 175 rupees per ton higher than last year—a 30 per cent advance—when the higher rupee exchange is taken into consideration, according to cables received in New York last week. The market in India has been firming up for some time, and importers are looking for higher prices on spot owing to the concentration of stocks in first hands and higher exchange rates. Since the Mysore Government has been regulating the manufacture and sale of sandalwood oil, a steadier market has prevailed. The replacement price has been higher than the local market for the last five months, and only recently has the spot market risen to values equal to shipment, plus duty of 25 per cent. London is naming 25s. per pound in a large way with the tendency to higher prices.

While spot values are named at \$6.85 per pound and up, first quality oil cannot be obtained at less than \$7 per pound, except for contract business. Supplies on spot of the genuine East Indian oil are closely held, and reports are current that only one house has the genuine oil. During the past year, large quantities of the sandalwood oil, which comes from Australia, have been sold in the New York market. This oil has been selling around \$4.50 per pound, and is used chiefly in reducing the genuine oil, so as to meet competition, one importer claims. Even stocks of the cheaper material have been reduced materially.

Leon L. Beckwith, president of Bonheur Co., Syracuse, perfumers, was in New York last week.

Drug Consuming Industries

SALES SLOW AT LONDON AUCTION

At the final drug auction of the year in London, demand was poor and the bulk of the offerings passed the hammer unsold. Where business was effected, prices were in the buyers' favor. Importers of buchu raised their prices, but a little business was done. Common natural licorice root is plentiful, but much of that offered was inferior. T.V. senna pods were decidedly easier. The following table shows a part of the offerings and sales:

	Offered	Sold
Ammoniacum, cases	69	19
Annatto Seed, cases	164	20
Benzoïn, Sumatra, boxes	121	12
Buchu, bales	46	6
Cardamom Seed, cases	122	8
Cinchona Bark, bales	47	17
Colocyth, Pulp, bales	38	16
Galls, bags	72	72
Kola Nuts, bags	72	61
Licorice Root, bales	472	8
Rhubarb Root, cases	121	8
Sarsaparilla, Jamaica, bales	52	26
Senna, T. V., bales	561	52
Tragacanth Gum, cases	19	6
Wax, Zanzibar, cases	14	14

Arabic gum arrivals in Khartoum, Sudan, during October were about 300 tons, according to American-British Chemical Supplies, New York, agents for Boxall & Co., Khartoum, gum exporters, who report: "Export prices have followed largely the tendency of local prices, but sellers were influenced somewhat in

their quotations by the quality of the gum held as stocks or secured from the current arrivals. While the individual sales were small, the month's aggregate was fair and a considerable improvement on last year's sales for the same period. Exports of gum from Khartoum for the nine months ended September were 16,869 tons, of which the United States received 3,255 tons and Great Britain 4,443 tons. Shipments for a like period in 1923 were 18,895 tons."

A treasury decision of October providing for the payment of drawback on a medicinal preparation designated as "Eskay's Neuro Phosphates", manufactured by Smith, Kline and French Co., Philadelphia, with the use of domestic tax-paid alcohol has been amended to provide for the payment of drawback on the preparation named when manufactured by Smith, Kline and French Co. with the use of domestic tax-paid alcohol and refined sugar produced wholly or in part from imported raw sugar.

Methyl ester of meta-amido-para-oxybenzoic acid is the name of a local anesthetic now being manufactured by H. A. Metz Laboratories, New York, makers of pharmaceuticals, under the trade mark of "Orthoform." With the addition of this product to the list, all of the more important anesthetics—Novocain, Anesthesin, and Holocain—are now made in the United States.

Quinine


and its salts

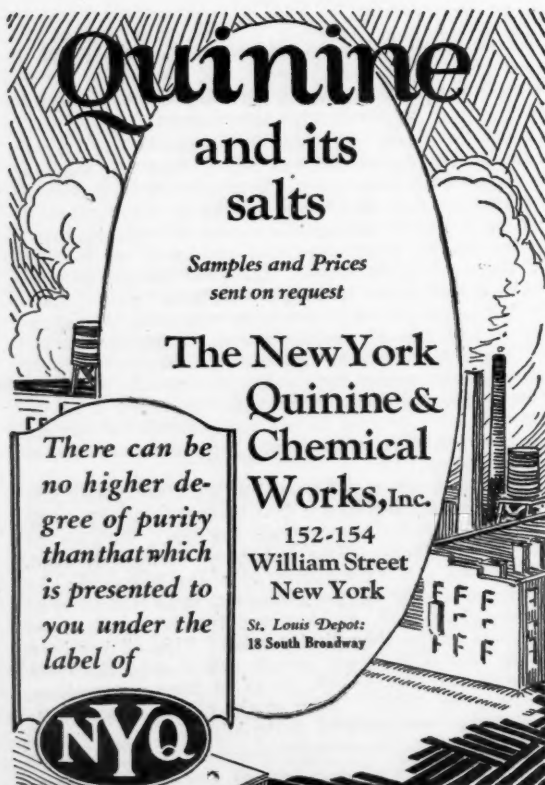
Samples and Prices sent on request

The New York Quinine & Chemical Works, Inc.

152-154 William Street
New York

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DRUG AND FINE CHEMICAL SECTION

PURITY UNIFORMITY AND RELIABILITY

are a few of the im-
perative qualities of



LANOLINE

MANUFACTURERS SINCE 1914

THE B & W CO.

BOPF & WHITTAM
ELIZABETH, N. J.

* Sales of drug firms in the Dallas Federal Reserve district during October were 10.6 per cent above those of September, and 4.2 per cent above those of Oct., 1923. "The buying demand in the drug store is still very active, and the volume of purchases is large, yet the retailers continue to buy on a conservative basis and show a disposition to avoid making commitments beyond well defined needs. While some orders for forward delivery are beginning to appear, the volume of such business is as yet small. Prices on some items have shown an advance during the past month. Some improvement in the collection situation has been noted.

M. L. Barrett & Co., 233 West Lake st., Chicago, have elected the following officers: President, M. J. P. Barrett; vice-president, M. F. Barrett; secretary, W. H. Shellman. M. F. Barrett is a son of M. J. P. Barrett, who has been identified with M. L. Barrett & Co., almost since the firm was founded. M. J. P. Barrett is known in the trade as "J. P." Mr. Shellman has been secretary for many years.

Louis K. Liggett & Co., druggists, have been sued for \$20,000 damages by Miss Martha Bistany, of Yonkers, who claims that she has lost her hair through taking the wrong medicine which was put up for her by a clerk in Liggett's Getty Square store at Yonkers. A verdict for \$2,000 was returned by the jury.


Frank M. Bell, manager of the Pharmaceutical Department of Armour & Co., Chicago, died Nov. 28, at his desk from heart disease. He was 58 years old, and had been with Armour & Co. since he was 25 years old.

LOOK FOR RISE IN ERGOT ABROAD

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Rotterdam, Dec. 6.—Cheap ergot appears to be gone forever, according to a statement from Ferstl & Van der Burgh, crude drug exporters, which says: "The price of 18c and 20c per pound is gone and—if not for ever—most decidedly for this and next year. That price hardly covers the naked costs of food for the gatherers in countries with a low standard of living; so no wonder that the collectors neglected that work. Add to this fact the bad harvest—involving additional work for the collection—and you have the explanation for the advance. We wish you to realize that in 1913, viz., one year prior to the big war, a price of 8 goldmarks per kilo was paid. This is equivalent of 97c per pound. There was a normal harvest and a normal demand. Today, the cost of living has advanced in all countries of Europe, Russia inclusive, by 100 per cent in the average. We have a recognized failure in crop and only a price of 58c per pound. We do not believe—though we should not be too much surprised—that the price will go up as in 1920 to about \$5 per pound, but we do believe that before the next Spring, when the shortage will be felt, the prewar price will have been attained if not surpassed. It is a fact that countries that used to export the item have bought back their old deliveries at advancing prices. We can offer, with all reserve, at 58c per pound for prompt shipment."

W. H. Reinhard, secretary of McCormick & Co., Baltimore, died Nov. 25, after an illness of nearly two years. He was 50 years of age.



QUININE

Sulphate — Bisulphate

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Hoshi Pharmaceutical Co.

Exclusive Distributors for North & South America

VIETOR & HOSKEN

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Hanover 3224-3225 Cables: Hoskwil



Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	—	.833 Imperial Gallon
1 American Gallon	—	3.79 Liters
1 Liter	—	.264 American Gallon
1 American Gallon (Water)	—	8.35 Pounds
1 Pound (Avoirdupois)	—	.454 Kilogram
1 Kilogram	—	2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech. 150 lb bbls.	.26	.28
100 lb kgs.	.27	.30
USP 200 lb bbls.	.36	.38
Second Hands	.35	.36
Acetic Anhydride		
85-89%, 107 lb chys.	.38	.40
90-95%, 100 lb chys.	.41	.45
CP, 100 lb chys.	.75	.80
Acetone, CP 700 lb dra. c/l wks.	.14	.16
700 lb dra. le/l wks.	.14 1/4	.17
350 lb dra. le/l wks.	.14 1/4	.17
Second Hands, spot	.15	.16
Acetone, 100 gal. drums.		.35
Acetone Oils, light, dra. wks.	1.40	1.45
Heavy, dra. wks.	1.40	1.45
Acetophenidine, 150 lb bbls.	1.85	1.90
Acetyl Chloride, 100 lb chys.	.40	.41
Acid, 1, 2, 4, 250 lb bbls.		1.30
Acetic, 28%, 400 lb bbls., c/l wks.		3.12
28%, le/l wks.		3.37
50%, c/l wks.		5.85
50%, le/l wks.		6.10
70% bbls., c/l wks.		7.20
70% le/l wks.		7.45
80% coml. bbls., c/l wks.		8.19
80% coml. le/l wks.		8.44
80% pure bbls., c/l wks.		9.98
80% pure le/l wks.		10.23
Glacial, bbls. c/l wks.		11.01
Glacial, le/l wks.		11.26
Glacial USP chys. wks.		11.78
Acetyl Salicylic, 250 lb bbls.	.75	.85
Second Hands	.72 1/4	.73
Anthranelle, tech., dra.		.94
99-100%, 100 lb dra.		1.00
Benzoic, tech. 100 lb bbls.		.70
Tech. ton lots bbls.		.75
USP, 100 lb bbls.	.75	.85
Second Hands	.70	.76
Boric, crys. powd. 250 lb bbls.		.09 1/4
Keen, 100 lb	.10	.10 1/4
Bronner's 250 lb bbls.		1.25
Butyric, 60% pure 5 lb bot.	.40	.50
CP 10 lb bot.	1.25	1.50
Camphoric USP, VIII 1 lb bot.	5.90	6.00
Carbolic, USP crys. see also Phenol		
112 lb tins	.26	.27
25 lb tins	.28	.29
5 lb tins or bot.	.30	.32
1 lb bot.	.35	.36

Acid Carbolic—(continued)		
Liquid USP, 1 lb bot.	.34	.35
Crude, 25% 50 gal. bbls.	.33	.35
10%, 50 gal. bbls.	.27	.30
Carbonic, see Carbon Dioxide		
Chloracetic		
mono 100 lb bbls. wks.		.25
DI, 150 lb chys wks.		1.00
Tri, 425 lb bbls. wks.		2.50
Chlorosulfonic, 1500 lb dra.		
wks.	.15	.16
Chromic, USP 200 lb drums.		.40
85% Pure, 200 lb drums.		.35
Chromotropic, 300 lb bbls.		1.35
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans		3.93
CITRIC, USP crys. 230 lb bbls.		.46
Form., USP, 200 lb bbls.		.47
Imported, crys. 112 lb kgs.	.46	.46 1/4
Single kgs		.47
Cleaves, 250 lb bbls.	1.00	1.10
Creylic, 95% dark dr. NY.	.65	.60
97-99% pale, dra. NY.	.60	.65
Crude, spot, drums.		
Diethylbarbituric, Dom., 25 lb lots, 1 lb bot.	8.00	9.00
Imp. 10 lb lots	4.25	4.50
Formic, 85% tech. 140 lb chys.	.10 1/4	.11
90%, 80 lb chys. incl.	.11	.11 1/4
Gallie, USP, 150 lb bbls.		.70
Gamma, 225 lb bbls. wks.	1.40	1.50
Glycerophosphoric, 25% 1 lb b.	1.85	1.95
H 225 lb bbls wks.	.72	.75
Hydriodic, 10% USP 5 lb bot.		.75
Hydrobromic, 48% coml. 155 lb chys. wks.	.45	.48
48% coml. 10 chys. wks.		.45
40% USP 155 lb chys. wks.		.55
10% USP 100 lb chys. wks.		.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys.	.08	.11
HYDROFLUORIC, 30% 400 lb bbls.		
wks.		.07
30% bbls. c/l wks.		.06
30% 100 lb chys. wks.		.07
48% single 100 lb chys. wks.		.11
48% 10 chys. wks.		.10
52% 100 lb chys. wks.		.14
52% 10 chys. wks.		.11

Acid, hydrofluoric—(continued)		
60% 100 lb chys. wks.		.14
60% 300 lb dr. wks.		.12
White Acid, 100 lb chys. wks.		.26
White Acid, 10 chys. wks.		.25
Hydrofluosilicic, 35% 450 lb bbls. wks.		.12
Hypophosphorous, USP 30% 5 gal. demis.		.85
USP, 10% 5 gal. demis.		.30
LACTIC, 22% dark 500 lb bbls.	.05 1/4	.06
22% light, bbls.	.06 1/4	.07
44% dark, bbls.	.11 1/4	.12
44% light, bbls.	.13 1/4	.14
66% dark, bbls.	.18 1/4	.19
66% light, bbls.	.28	.30 1/4
USP IX 100 lb chys.		.80
USP VIII 100 lb chys.		.75
Laurent's, 250 lb bbls.		.90
Metanilic, 250 lb bbls.	.60	.65
Mixed, sulfuric-nitric		
Drums, wks.	N Unit	.07 1/4 : .08
Drums, wks.	.8 Unit	.01 : .01 1/4
Tank cars, wks.	N Unit	.06 1/4 : .07
Tank cars, wks.	.8 Unit	.009 : .01
Molybdic, 85% pure 100 lb kgs.	1.35	1.60
100% C.P. 100 lb kgs.	2.00	2.10
Monosulfonic F, Delta, 50 lb tins		2.10
MURIATIC, 20° chys. le/l wks.		1.60 : 1.75
Chys. c/l wks.		1.20 : 1.25
Tank cars, wks.		1.00 : 1.10
18°, 120 lb chys.		
c/l wks.	1.00	1.10
Tank cars, wks.	net ton	
22°, 120 lb chys.		
c/l wks.	1.00	1.75 : 2.00
Iron, free 20° chys.		
c/l wks.	1.00	
Tank cars, wks.	net ton	
Muriatic, CP & USP, see Acid Hydrochloric		
Naphtholene, tech. 250 lb bbls.		.62
Refined, single bbls.		.65
Neville & Wintner's, 250 lb bbls.	1.10	1.25

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Collodion

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6 oz. stock. We also make
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Acid Salicylic U. S. P.

Methyl Salicylate U. S. P.

Sodium Salicylate U. S. P.

Salol U. S. P.

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HYDRO BRAND

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A New Standard of Purity

MADE FROM SYNTHETIC AMMONIA AND PURE WATER
26° BAUME

Shipments in Drums and Tank Cars from Niagara Falls, New York


THE AMMONIA CORPORATION 65 BROADWAY, NEW YORK

Chemicals

ACID, NITRIC, 36° 135D			ACID, Sulfuric			ALCOHOL—(continued)		
le/l chys. wks....100D	4.75	5.25	Oleum 20 p.c. 1500D drums			Isopropyl, Rednd, 90-91%,		
Chys. e/l wks....100D	4.50	4.75	le/l wks....100D	1.50	1.75	50 gal. drs.....gal	...	3.75
38° le/l chys. wks....100D	5.25	5.75	Drums, e/l wks....100D	1.25	1.50	Ref'd, 98-99%, drs.....gal	...	4.75
Chys., e/l wks....100D	5.00	5.25	Tank cars, wks....net ton	17.00	18.00	Methyl, see Alcohol, Wood		
40° le/l chys. wks....100D	5.75	6.00	Contract cars, wks....ton	...	...	Propyl. nml. crd. 50 gal. drms.gal	...	4.40
Chys., e/l wks....100D	5.50	5.75	Oleum, 40% drs le/l wks.net ton	...	40.00	Rednd, 16D cans.....D	...	.75
42° le/l chys. wks....100D	6.25	6.75	Oleum, 60% drs., le/l wks. net	ton	60.00 : 70.00	Denatured		
Chys., e/l wks....100D	6.00	6.25	Sulfurous, USP 6% 100D chys. D	.05	.08	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks....100D	.13	.16	4% 100D chys.....D	.04	.05	50 gal. bbl. incl.....gal	.65%	.67%
Oxalic, 300D bbls., wks.....D	.09%	.09%	USP, 5 gal. demis.....D	.06	.08	50 gal. drums, extra.....gal	.58%	.60%
Bbls., NY.....D	.09%	.10	Tannic, tech. 300D bbls.....D	.30	.40	No. 1 Special Denat. 190 Proof		
Keps, 100D NY.....D	.10%	.11	USP, powd. 200D bbls.....D	.75	.80	50 gal. bbl. incl.....gal	.64%	.66%
Imp., 500D cans.....D	...	.09%	USP, fluffy, 50D bbls.....D	.75	.80	50 gal. drums, extra.....gal	.57%	.59%
Phenylmercurinic, domestic.....D	9.00	9.60	Tartaric, USP cryst 300D bbls. D	...	.29	No. 5 Complete Denat. 188 Proof		
Imported, 5 D.A.....D	7.00	7.25	USP, powd. 300D bbls. D	...	.29	50 gal. bbl. incl.....gal	.63%	.65%
Phosphoric, 50% tech, 150D			Imp. USP, 240D bbls.....D	.27	.27%	50 gal. drums, extra.....gal	.56%	.58%
chys.....D	.07	.08	Pow., 240D bbls.....D	.27	.27%	No. 6 Complete Denat. 188 Proof		
USP, Syrupy 85°, 70D.....D			Tobias, 250D bbls.....D	.90	.95	50 gal. bbls. incl.....gal	.62%	.64%
demis.....D	.15	.17	Tungstic, 100D kegs.....D	...	1.00	50 gal. drums, extra.....gal	.55%	.57%
Imported.....D	...	.16	Valeric, C.P., 10D bot.....D	2.50	2.75	In addition to the regular author-		
Second Hands.....D	.15	.16	Acocline Alk. cryst. 1 cu. vis. cu	...	30.00	ized formulae for completely dena-		
Phthalic, see Phthalic Anhydride			Amorphous, 1 cu. vis.....cu	...	20.00	tured alcohol, some 75 formulae for		
Picramic, 300D bbls.....D	...	.65	Adeps Lanae, hydrous 350D bbls. D	.15	.21	specialty denatured alcohol are au-		
Pieric, 450D bbls.....D	...	.80	Anhydrous, 350D bbls.....D	.18	.23	thorized for special uses. Owing to		
Bbls. car lots wks.....D	.20	.25	Albumen, Egg, edible.....D	...	1.25	the limitations of their use, howev-		
Pyrogallic, crys. 5D cans.....D	1.25	1.80	Blood.....D	.45	.50	prices are quoted by the alcohol		
Resublimed, 6D cans.....D	1.55	1.65	Vegetable.....D	.60	.70	producers only to holders of per-		
Tech. powd., 300D bbls.....D	...	.85	Technical, see Dyers Sundries			mits allowing the use of specially		
Salicylic, tech., 125D bbls.....D	.33	.34	ALCOHOL, USP 190 pt. 50 gal.	4.92	5.01	denatured formulae in products author-		
USP, 100D bbls.....D	...	.35	bbls.....gal	...	...	ized by the Dept. of Internal Revenue.		
Second Hands.....D	.32	.33	Second Hands, bbls, USP 190	...	...	Aloin, USP, 100D cases.....D	.88	.90
Sulfanilic, 250D bbls.....D	.16	.20	pt.....gal	...	...	Alpha-Naphthol crude 300D bbls. D	...	.65
SULFURIC, 66° 180D chys.			Export, USP, 190 pt.....gal	.85	.85	Refined.....D	...	.80
le/l wks.....100D	1.50	1.85	Cologne Spirit, 50 gal. bbls.gal	5.00	5.10	Alpha-Naphthylamine, 350D bbls.D	.35	.37
Chys., e/l wks....100D	...	1.35	WOOD, see Methanol			Ton lots, bbls. wks.....D	...	.35
1500D Drums, le/l	...	...	Alcohols also in 50 gal.					
wks.....100D	...	1.35	drums extra and returnable.					
Drums, e/l wks....100D	...	1.10	Butyl, 50 gal. drums, wks.....D	...	.28			
Tank cars, wks.....net ton	...	14.00	Tank cars, wks.....D	...	.26			
60° 1500D Drums			Isobutyl, crude 50 gal. drums.gal	...	...	
le/l wks.....100D	.75	1.00	Refined, 10 D can.....D	1.10	1.20			
Drums, e/l wks....100D	.65	.75						
Tank cars, wks.....net ton	9.00	9.50						
C. P. 175D chys.....100D	.08	.09						

General Chemicals

A MARK OF PLEDGED RESPONSIBILITY



GENERAL CHEMICAL COMPANY

ON PRODUCTS OF STANDARD MERIT

Aluminum Sulphate

Sulphuric Acid
Acetic Acid
Epsom Salt
Hydrochloric Acid
Mixed Acids

Nitric Acid
Ammonia Alum
Aqua Ammonia
Copperas Nitrate Iron
Anhydrous Bisulphite Soda

Salt Cake
Tin Crystals
Sodium Sulphide
Sodium Silicate
Sodium Phosphate

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Denver
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Pittsburgh

Providence
San Francisco

The Nichols Chemical Co., Ltd., Montreal
Cable Address: Lycurgus, N. Y.

PRICES CURRENT SECTION

Chemicals

ALUM. Ammonia, lump 400 lb bbls.		AMMONIA, anhyd. 100 lb cys.....	.. : .30	AMMONIUM (Continued)	
wks. ....100lb	3.15 : 3.75	Water, 26° 800 lb dra. wks....	.. : .06%	Permutate, 112 lb cases.....	.. : .40
Imp. 500 lb casks.....100lb	.. : .	Dra. c/l wks.....	.. : .06%	Phosphate, dibasic 200 lb bbls.	.. : .38
Ground, 400 lb bbls. wks.100lb	3.30 : 4.00	C.F., cys.....	.. : .14	Tech. powd. 325 lb bbls.	.. : .12%
Powd. 380 lb bbls. wks. 100lb	3.45 : 4.25	Imp., 800 lb dra. incl. spot.	.. : .06%	Phosphate, mono, 325 lb bbls.	.. : .12%
Chrome 500 lb cks. wks.100lb	5.50 : 6.00	26° 100 lb cys. l/c/l wks....	.. : .07%	Salicylate, USP 100 lb kegs....	.. : .75
Potash, lump 400 lb bbls.		Cys. c/l wks.....	.. : .07%	Sulfate, bulk, c/l wks.....100lb	2.75 : 2.80
wks. ....100lb	3.60 : 3.80	20° 800 lb dra. l/c/l wks....	.. : .05%	200 lb single bgs. c/l wks.100lb	.. : 2.90
Bls. c/l wks.....100lb	.. : 3.10	Cys. l/c/l wks.....	.. : .06%	200 lb double bgs. f.a.s.100lb	.. : 3.00
Imp. 650 lb cases a.p.....100lb	2.75 : 3.00	18° 800 lb dra. l/c/l wks....	.. : .04%	Sulfoxyanide, tech., 100 lb kgs.	.. : .60
Ground 400 lb bbls. wks.100lb	3.25 : 3.75	Cys., l/c/l wks.....	.. : .05%	CP, 25 lb jars.....	.. : .60
Imp. 650 lb casks.....100lb	2.50 : 2.75	16° 800 lb dra. l/c/l wks....	.. : .04%	Amly Acetate, tech. 50 gal. dra.gal	3.25 : 3.50
Powd., 380 lb bbls. wks.100lb	3.50 : 4.25	Cys., l/c/l wks.....	.. : .05%	Refined, 50 gal drums.....gal	3.90 : 4.20
Chrome, 500 lb cks wks.100lb	5.50 : 6.00	Ammonium Acetate, 100 lb kegs.	.. : .37	Alcohol, see Fuel oil	
Soda grd. 400 lb bbls. wks.100lb	.. : 4.00	Benzoate, USP, 1 lb bot....	.. : .90	ANILINE OIL, 900 lb dra.....	.. : .16
Bbls. c/l wks.....100lb	.. : 3.50	Bisulfuride, 300 lb bbls.....	.. : .22	Aniline Salt, 200 lb bbls.....	.. : .22
Aluminum, metal, c/l NY.....100lb	27.00 : 28.00	100 lb kegs.....	.. : .23	Anthracene, 80-85%, 600 lb casks	.. : .85
Chloride, anhyd. 275 lb dra....	.. : .20	Bromide, 50 lb boxes.....	.. : .54	Bisulfuride, 300 lb bbls.....	.. : .02
Crystals, 375 lb bbls.....	.. : .06%	Imported, 112 lb boxes.....	.. : .49	Anthraquinone, sub. 125 lb bbls.	1.00 : 1.15
30% sol. 120 lb cys.....	.. : .03%	Carb., tech. 560 lb casks.....	.. : .08%	Antimony metal, slabs ton lots.100 lb	.. : .14%
Hydrate 96% light 90 lb bbls..	.. : .17	Powd., tech. 385 lb bbls....	.. : .09	Needle Powd., 100 lb cases....	.. : .09%
Heavy 82-84%, 220 lb bgs....	.. : .06	USP, lump, 100 lb kegs.....	.. : .12%	ANTIMONY CHLORIDE, anhyd 1000 lb	
400 lb bbls. wks.....	.. : .06%	Powd., 100 lb kegs.....	.. : .11%	dra.....	.. : .35
.06% .07		Chloride, Domestic		50 lb crocks.....	.. : .45
SULFATE, Iron-free bags c/l		White, 250 lb bbls., c/l....	.. : .07%	Sol'n, 130 lb carboys 53°.....	.. : .06
wks. ....100lb	.. : 2.00	250 lb bbls., l/c/l wks.....	.. : .07%	Oxide, 500 lb bbls.....	.. : .11
Bbls. c/l wks.....100lb	.. : 2.15	Imp. wh. 250 lb casks spot....	.. : .06	Salt, dom. 500 lb bbls.....	.. : .35
Imported, spot.....	.. : 2.00	Gray 250 lb bbls. wks.....	.. : .08	Imp. NY.....	.. : .19
Comm'l. ¼ % iron bags.....	.. : 1.40	Bbls., c/l wks.....	.. : .07%	Sulfuret, golden 500 lb bbls....	.. : .21
wks. ....East 100lb	.. : 1.40	Imp. gray 250 lb casks.....	.. : .07%	336 lb kegs.....	.. : .19
Cont. bgs. c/l wks. E.100lb	1.35 : 1.40	Lump, 500 lb casks spot....	.. : .11%	Crimson. 500 lb bbls.....	.. : .38
Bags, c/l wks. W.....100lb	.. : 1.40	Ichthyolate, as to brand.....	4.85 : 5.00	336 lb kegs.....	.. : .38
Bbls., c/l wks. East.....100lb	.. : 1.55	Iodide, USP, 25 lb jars.....	.. : 5.30	Red, 500 lb bbls.....	.. : .45
Bulk, c/l cont. wks. E.100lb	.. : 1.50	Lactate, 500 lb bbls.....	.. : .15	326 lb kegs.....	.. : .42
Amidol, (see Diaminophenol)		Nitrate, tech. crys. 225 lb bbls.	.. : .	Tartrolactate, 500 lb bbls....	.. : .45
Amidopyrine, Imp. 10 lb boxes..	4.70 : 4.90	Refined Crystals, bbls.....	.. : .21	Antipyrine, USP, 100 lb cases....	1.90 : 2.00
Domestic, 10 lb boxes.....	4.60 : 4.65	CP gran. 100 lb kegs.....	.. : .35	Apomorphine Hydrochloride, ¼ oz. vial.oz	.. : 22.75
Amidazoobenzene, 110 lb kgs.....	.. : 1.15	Oxalate, pure, 100 lb kegs....	4.40 : .42	Aroclene Hydromide, 1 oz. vial.oz	.. : 6.25
				Argols, red powd., 350 lb bbls..	.. : .06

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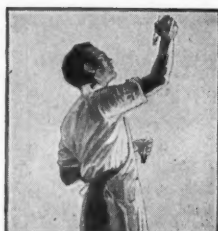
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CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75
Second Hands	3.40	: 3.45
Hydrochloride, 1 lb bot.D	6.05	: 6.55
Sulfate, 1 lb bot. ....D	5.40	: 5.90
Citrate, 25 lb cans	2.90	: 3.10
Hydrobromide, 1 lb bot.....D	4.65	: 4.90
CALCIUM, Acetate, 150 lb bgs, c/l		
100 lb	2.00	
Armenate, 100 lb bbls. c/l wks. D	.08	: .09
Bromide, 100 lb cs.....D		: .60
Carbide, 220 lb dr. c/l wks. D		: .04 1/4
Drums, 1c/l wks.....D		: .05
Carbonate, tech. 100 lb bags		
c/l	1.00	: 1.10
USP, precip. 175 lb bbls. ....D		: .04
Chloride, solid, 650 lb drs. c/l		
f.o.b. wks. ....ton	21.00	
Imp. shipment	19.50	
Flake 375 lb drs. c/l drs. f.o.b.		
wks. ....ton	27.00	
Anhyd., 350 lb drs. f.o.b. NY. D	.13	: .20
Glycerophosphate, 250 lb bbls. D		: 1.40
Hydrate, (see Lime)		
Hypophosphite, USP, 25 lb cans D	.60	: .65
Iodide, 5 lb bot. ....D		: 4.40
Lactate, tech. 500 lb bbls. ....D		: 13 1/4
U.S.P. ....D	.50	: .60
Nitrate, 220 lb bbls, c/l NY. ton		: 40.00
Phosphate, tech. 350 lb bbls. D	.09	: .10
Phosphate, precip. tribasic 200 lb		
bbls., wks. ....D	.11	: .14
Phosphate, mono, 325 lb bbls. D	.07	: .08
Sulfocarbonate, 100 lb kegs.....D	.55	: .57

Calomel, see Mercury

CAMPOR, Amer. ref: 250 lb		
bbls. ....D	.80	
2 1/4 lb slabs, 100 lb cs.....D	.81 1/4	
1 lb cakes, 100 lb cs.....D	.81 1/4	
1 oz. tab., 1 lb ctms. ....D	.85 1/4	
100 lb cs. ....D		
1/2 oz. tab., 1 lb ctms. ....D	.86	
100 lb cs. ....D		
Jap. ref., 2 1/4 lb slabs. 100 lb		
cs. ....D	.87	: .88
1 oz. tab., 100 lb cs. 1 lb		
time .....	.80	
1/2 oz. tab., 100 lb cs., 1 lb		
time .....	.81	
Chinese ref. 2 1/4 lb slabs 100 lb		
cs. D. ....D		
Crude, 100 lb cs. ....D	.58	: .60
Camphor, Monobrom., 100 lb cs. D	1.85	: 1.90
Caramel, 50 gal. bbls.....gal	.70	
Carbazol, 250 lb bbls. ....D	.50	
Carbon Bisulfide, 500 lb drs. 1c/1 NY D		: .06 1/4
c/l drums, NY. ....D	.06	
Carbon Black, 12 1/2 lb bags.....D	.09	: .10
Carbon Dioxide, Liquid, 20-35 cyl. D		: .06
Carbon Tetrachloride, 1400 lb drs.		
NY .....	.07	: .07 1/4
Drums, c/l NY .....	.08	: .08 1/4
700 lb drs. single NY. ....D	.07 1/4	: .08
Carmin, No. 40, 5 lb boxes.....D	4.75	: 4.85
Casein, edb., 100 lb keg.....D	.45	
Technical, 200 lb bbls. ....D	.10	: .10 1/4
Castoreum, 1 lb boxes	4.00	: 4.50
Castor Oil, USP, 50 gal. bbls. ....D	.17 1/4	
Cases, 80 lb 2 tins.....D	.18 1/4	
Tech. see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases. D	1.75	: 2.00
Cerium Oxalate, USP 100 lb kegs. D	.35	: .38

Chalk, drop 175 lb bbls.....D	.03 1/4	
Precip. light 250 lb cks.....D	.04 1/4	: .04 1/2
Precip. heavy 500 lb cks.....D	.03 1/4	: .04
Bulk	5.00	: 8.00
Precip. English, 7 lb bags.....D		: .07 1/4
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbls.....D	.04	: .05
Willow, powd. 100 lb bbls.....D	.08	: .07
China Clay, Dom., crude.....ton	8.00	: 8.00
Washed & Ground	8.00	: 15.00
Imp., Filler Clay.....ton	12.00	: 15.00
Coating	18.00	: 20.00
Chloral Hydrate, USP 100 lb drs. D	.75	: .80
25 lb jars .....	.85	: .85
Chinoidin, 140 lb drs.....D		: .40
Chloramine-T, 5 lb bot.....D	1.25	: 2.50
Chlorosane, 5 lb bot.....D	.55	: .75
Chlorhydrin, Ethylene anhyd. 600 lb		
dr. ....D	.75	: .85
40% soln. 100 lb cks. ....D	.25	: .30
CHLORINE, Liquid 2000 lb cyl.		
c/l wks. ....D		: .04 1/4
Tank car lots, wks. Contract.....D		: .04
100 lb cyl. c/l .....	.05 1/4	: .05 1/2
100 lb cyl. 1c/1 wks. ....D	.07	: .08
100 lb cyl. 1c/1 ex-warehouse.....D	.08	: .09
Chlorobenzene, mono. 100 lb drs.		
wks. ....D	.10	: .11
Drs. c/l wks. ....D	.08	: .08 1/4
Tank car lots wks. ....D		: .08
CHLOROPHORM, USP 50 lb drs. D		: .35
Second Hands, 650 lb drs. ....D	.32	: .33
Technical, 650 lb drums.....D	.31	: .32
Chlorophyll, Oil Sol. ....D	2.80	: 2.75
Water Sol. ....D	3.75	: 4.00
Chromium Acetate, 20° soln. 400 lb		
bbls. ....D	.07	: .08
Fluoride, Powd. 400 lb bbls. ....D		: .30
Solp. 400 lb bbls. ....D		
Chrysarobin, USP, 5 lb cans.....D	5.25	: 5.35
Cinchonidin alk., powd. 100 oz. tins		: .60
Crystal		: .65
Sulfate, 100 oz. tins.....oz		: .40
Resale, 1,000 oz. lots.....oz		: .39

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Cinchonine alk., pvd. 1000.0 tins.oz	...	: .38	COPPER metal electrolytic c/l	14.50	: 14.63	Diethyl Sulfate tech. 50 gal. drs. D	.20	: .25
Crystal	...	: .43	Lake c/l NY	14.63	: 14.75	CP drums	.40	: .50
Sulfate, 100 oz. tins.oz	...	: .25	Casting, c/l NY	...	: 13.37	Digitalin, Pure, 1 oz. vial. ....oz	9.75	: 10.25
Citric Acidment, see Mercury			Carbonate, 400 lb bbls. D	.16	: .17	Dimethylaniline, 840 lb drs. wks. D	.35	: .36
Coal Tar, See Tars			Chloride, 250 lb bbls. D	...	: .28	Dimethylamine, 400 lb drs. D	...	: 2.80
Cobalt metal, 100 lb kgs. D	2.50	: 3.00	Cyanide, 100 lb drs. D	.49	: .50	Dimethylsulfate, 100 lb drs. D	...	: .50
Cobalt Oxide, 500 lb bbls. D	...	: 2.10	Iodide, 5 lb bot. D	...	: 5.65	Dinitrobenzene, 400 lb bbls. D	.18	: .17
10 lb tins, 200 lb cases. D	...	: 2.45	Oxide, red 1000 lb bbls. ton lots D	.16 1/2	: .17	Dinitrochlorobenzene, 400 lb bbls. D	.18	: .19
COCAINE alk., USP, 1 oz. vial. ....oz	...	: 10.00	Sub-Acetate, verd. 440 lb bbls. D	.23	: .28	Dinitronaphthalene, 350 lb bbls. D	.32	: .34
Hydrochloride, USP—1 oz. vials, 25 ozs. ....oz	...	: 7.07	SULFATE, crys. 450 lb bbls. le/l spot	4.75	: 4.90	Dinitrophenol, 350 lb bbls. D	.32	: .35
In 1/2 oz. vials. ....oz	...	: 7.50	Carlots, bbls., f.o.b. NY 100 lb	4.80	: 4.85	Dinitrotoluene, 300 lb bbls. D	.19	: .20
In crystals, granular, powder, or flaky crystals as desired.			Carlots, bbls. delivered. 100 lb	4.75	: 4.90	Dionin, see Morphine, Ethyl		
Cocoa Butter, bulk, 200 lb bales. D	.30	: .31	Imp. 550 lb cask spot. 100 lb	4.40	: 4.50	Diphenylamine, 250 lb bbls. D	.48	: .50
Fingers, cakes, etc. 12 lb bxs. D	.34	: .36	Powdered, 350 lb 5 bbls. D	5.50	: 5.75	Diphenylguanidine, 170 lb bbls. D	1.10	: 1.15
CODEINE, alk., 1 oz. vial. 10 oz. lots	...	: 9.87	Copperas, bulk c/l wks. ton	...	: 13.00	Dover's Powder, USP 5 lb tin. D	2.20	: 2.30
Hydrobromide, 1 oz. vial, 10 oz. lots	...	: 7.92	200 lb bgs., c/l wks. ton	...	: 16.00	Dubosine Sulfate, 1 oz. vial. ....oz	...	: 30.97
Hydrochloride, 1 oz. vial, 10 oz. lots	...	: 8.77	400 lb bbls., c/l wks. ton	...	: 17.00	EARTH, Diatomaceous, see Kieselguhr		
Nitrate, 1 oz. vial. 10 oz. lots. ....oz	...	: 8.77	Powdered, bbls. 100 lb	1.90	: 2.00	Kmetine alk., 15 gr. vial. ....oz	...	: 1.30
Phosphate, 1 oz. vial, 10 oz. lots	...	: 7.42	Sugar, 400 lb bbls. 100 lb	1.25	: 1.35	Hydchlide, USP 1 oz. vial. ....oz	17.00	: 17.50
Salicylate, 1 oz. vial, 10 oz. lots	...	: 7.42	Corn Syrup, 42 deg. 50 gal. bbls.	...	: 4.28	15 gr. vials. ....oz	...	: .70
Sulfate, 1 oz. vial. 10 oz. lots. ....oz	...	: 7.92	43 deg. 50 gal. bbls. 100 lb	...	: 4.31	EPSON SALT, tech. 300 lb bbls. NY	...	: 2.15
Small Sizes, 1/2 oz. vials, 50c extra, 3/4 oz. 30c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 oz. 15c oz. higher than above.			44 deg. 50 gal. bbls. 100 lb	...	: 4.35	Bbls. c/l NY. 100 lb	...	: 2.00
COOLIVER OIL, Norwegian, 30 gal. bbls.	...	: 30.00	45 deg. 50 gal. bbls. 100 lb	...	: 4.45	100 lb bgs., c/l NY. 100 lb	1.70	: 1.75
Newfoundland, 30 gal. bbls. bbl	...	: 15.07	Corn Sugar, see Glucose			Imp., 220 lb bgs. c/l NY	...	: 1.25
Salicylate, 1 oz. vial. ....oz	...	: 15.07	Cotton Soluble, 100 lb bbls. wet. D	.40	: .42	USP, 300 lb bbls, 10 bbls. 100 lb	...	: 2.50
Colloction, USP, 30 lb drums. D	...	: .24	Coumarin, 25 lb tins. D	3.25	: 3.45	Carlots, bbls. 100 lb	2.10	: 2.15
			Second Hands	3.25	: 3.30	Imported, 400 lb bbls. 100 lb	1.75	: 2.00
			CREAM TARTAR, USP, 300 lb bbls.	...	: 21 1/4	100 lb kgs. 100 lb	2.00	: 2.25
			Imp. powd. USP, 224 bbls. D	.19	: .20	Ergotin, Bonjean, 1 lb jars. D	6.00	: 6.35
			Creosote, USP, 42 lb chys. D	...	: .45	Eserine alk., 1 oz. vial. ....oz	...	: 24.07
			Carbonate, 1 lb bot. 25 lb D	1.70	: 1.80	Salicylate, USP 1 oz. vial. ....oz	...	: 16.07
			Creosote Oil, 50 gal. drs. gal	.26	: .30	Sulfate, USP VIII, 1 oz. vial. ....oz	...	: 11.07
			Cresol, USP, 400 lb drums. D	.22	: .23	ETHER, USP, 55 lb drums. D	...	: .16
			Cyanamide, bulk c/l wks. Amm. unit	1.90	: 2.00	Anaesthesia, 55 lb drums. D	...	: .19
			Cymene, See Para-Cymene			USP, 1880 55 lb drums. D	...	: .42
			DIAMINOPHENOL, 100 lb kgs. D	...	: 3.80	Washed, 55 lb drums. D	...	: .33
			Dianisidine, 100 lb kgs. D	4.00	: 4.50	Motor, 1 lb cans. D	.25	: .31
			Dichlorobenzene, 1000 lb drs. D	.06	: .07	Ether, Nitrom, 1 lb bot. D	.92	: .95
			Diethylaniline, 400 lb drs. D	...	: 2.50			
			Diethylaniline, 550 lb drs. D	.58	: .61			
			Diethyl Phthalate, 25 lb cans. D	.40	: .45			
			1000 drs. D	.35	: .40			



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Chemicals

Ethyl Acetate, 99% 50 gal. dr. gal.	1.15	1.18	Gelatin, USP silver lbl. 100 lb. ca. lb.	.65	.68	Hydrastinine Hydrochloride, USP 15 gr.	...	1.00
85% Ester, 100 gal. dr. gal.	...	.95	Gold Label, 100 lb. cases..... lb.	...	...	vials..... vial	...	...
Carlota, drums..... gal	...	.92	Technical, 100 lb. ca. lb.	.50	.55	Hydrobenzene 100 lb. kegs..... lb.	...	...
Tanna Cars..... gal	...	.90	GLAUBER'S SALT, tech. 200 lb. bags,	...	...	HYDROGEN PEROXIDE, 25 vol. 400 lb.	...	...
Refined, drums..... gal	1.77	1.90	le/l wks..... 100 lb.	1.15	1.25	bbls..... lb.	...	.10
Bromide, 115 lb. drs..... lb.	...	.40	350 lb. bbls. c/l wks..... 100 lb.	...	1.25	100 vol. 140 lb. chgs..... lb.	.32	.34
Chloride, 200 lb. drs., 15 lb. cyl. lb.	.28	.35	Bbls. le/l wks..... 100 lb.	1.50	1.65	USP Soln. 375 lb. bbls..... lb.	.05	.09%
Methyl Ketone, 50 gal. drums. lb.	.25	.25%	Imported, bbls. sp. lb.	...	.80	100 vol. 145 lb. chgs..... lb.	...	.48
Morphine, see Morphine, Ethyl	...	...	USP, 300 lb. bbls. imp. sp. 100 lb.	...	1.25	USP bot. 4 oz. cases..... gross	8.00	8.25
Ethyl Benzyl Aniline, 300 lb. drs. lb.	1.10	1.15	USP, 300 lb. bbls. dom. sp. 100 lb.	...	1.75	Bot. 8 oz. cases..... gross	11.75	12.00
Ethylene Bromide, 600 lb. drs..... lb.	...	.70	USP, 300 lb. bbls. c/l wks. 100 lb.	...	1.40	Bot. 16 oz. cases..... gross	19.75	20.00
Glycol..... lb.	.65	1.00	Calcined, see Sodium Sulfate	...	...	Hydroquinone, 100 lb. kegs..... lb.	1.40	1.60
Chlorhydrin, anhyd. 50 gal. drs. lb.	.75	.85	Glucose, (Grape Sugar) dry, 100	...	...	Hyocine Hydrobrom. USP 1 oz.	...	9.57
40% Solution, 50 gal. bbls. lb.	.25	.30	70° bags, c/l NY..... 100 lb.	4.29	4.54	vial..... oz.	...	9.00
Dichloride, 50 gal. drs..... lb.	.30	.25	Syrup, Drs. & bbls. c/l NY 100 lb.	4.26	4.45	Five ozs., 1 oz. vials..... oz.	...	9.00
Ethylidenaniline..... lb.	...	.70	le/l NY..... 100 lb.	4.26	4.55	Hyocyanine Alk. Cryst., 1 oz. vial. oz.	...	20.07
Eucalyptol, 25 lb. cans..... lb.	...	.85	GLUE, pure white, bbls..... lb.	.22	.36	Alkaloid, Amorphous, 1 oz. vial. oz.	...	75.07
Feldspar, bulk..... ton	30.00	25.00	Medium white, bbls..... lb.	.20	.34	Hydrobromide, USP 1 oz. vial. oz.	...	25.07
FERRIC CHLORIDE, tech. crys.	...	...	French, bbls..... lb.	.18	.25	Sulfate, 1 oz. vial..... oz.	...	30.07
475 lb. bbls..... lb.	...	.07	High Grade, bbls..... lb.	.35	.40	INDOL, C. P., 1 oz. bot..... oz.	6.00	6.50
Imported..... lb.	.05%	.06	Bone, regular, bbls..... lb.	.10	.12	Iodides, see Potass. Iodide, etc.	...	...
USP, crys. 100 lb. kegs..... lb.	...	.08	Fish, bbls..... gal	1.50	1.75	IODINE, crude, 200 lb. kegs..... lb.	...	3.97
Imported..... lb.	...	.07%	GLYCERIN, C.P., 550 lb. drums..... lb.	.19	.19%	Remblimed, 10 lb. jars..... lb.	...	4.75
Neut. Sol'n 40° 140 lb. chgs. lb.	...	.06	Cans, 50 lb..... lb.	.20	.22	Tincture, USP, 50 gal. bbls. gal	4.30	4.40
48°, 140 chgs..... lb.	...	.08	Dynamite, 100 lb. drs..... lb.	.17%	.18	Carboys..... gal	4.45	4.55
USP Sol'n 125 lb. chgs..... lb.	...	.05%	Saponification, tanks..... lb.	.13%	.13%	Second Hands..... gal	4.25	4.30
Ferrous Chloride, crys. tech.	...	...	Soap, Lye tanks..... lb.	.12%	.12%	Iodoform, powd. 10 lb. bot..... lb.	...	5.50
475 lb. bbls..... lb.	.06	.06%	Goa Powder, see chrysarobin	...	...	Crystals, 10 lb. bot..... lb.	...	6.50
Ferrous Sulfate, 1000 lb. bbls. 100 lb.	2.50	3.00	Graphite, crude 220 lb. bags..... ton	15.00	35.00	Iridium, metal 10 oz. lots..... oz.	...	260.00
Flake White, see lead, white	...	...	Flake, 500 lb. bbls..... lb.	.05	.09	Iron, metal by hydrogen 1 lb. bot. lb.	.80	1.00
Fluxspar, 95% 220 lb. bps. ex-	...	25.00	Ground, lump, bbls..... lb.	.04	.05	IRON & AMM. CITRATE, USP 50 lb.	...	...
dock..... ton	...	35.00	Gumscoll liquid, USP, 25 lb. cans. lb.	2.35	2.45	cans..... lb.	...	.60
98% bps..... ton	...	33.50	Benzoate, 5 lb. bot..... lb.	4.60	4.75	Green scales, 50 lbs..... lb.	...	.09
98% bps..... ton	...	35.00	Carbonate, 5 lb. boxes..... lb.	4.60	4.75	Cocodylate, 10 lb. bot..... lb.	6.50	6.75
FORMALDEHYDE, USP 400 lb. bbls.	...	...	Second Hands..... lb.	3.25	3.40	Citrate, USP VIII 25 lb. cans. lb.	.99	1.01
c/l wks..... lb.	.09%	.09%	HAARLEM OIL, Dom. 6 gr. oz. gross	2.75	3.00	Chloride, see ferric or ferrous	...	...
Carboys, 100 lb. le/l wks..... lb.	.10	.10%	Imported, 5 gr. cases..... gross	3.75	4.00	Hypophosphite, 5 lb. cans..... lb.	1.50	1.60
Bbls., 400 lb. le/l wks..... lb.	.09	.10%	Halazone, 5 lb. bot..... lb.	2.75	3.25	Syrup, USP VIII..... lb.	...	.30
Second Hands..... lb.	...	.04	Hexamethylenetetramine, USP	...	...	Iodide, 1 lb. bot..... lb.	...	4.33
Wheat Flour..... lb.	...	.50	100 lb. drums..... lb.	.75	.77%	Syrup, USP, 5 lb. bot..... lb.	.35	.36
Formandine..... lb.	...	...	Imported..... lb.	.65	.67	Nitrate, kegs..... lb.	.09	.10
Fuller's Earth, 200 lb. bps. c/l	...	15.00	Rubber Makers, Impalp. Pd.	...	.82%	Con'l, bbls..... 100 lb.	2.75	3.25
mines..... ton	...	35.00	Homatropine Hydrobrom. USP 1 oz.	...	...	Oxalate scales 25 lb. cans..... lb.	.85	.88
Imported, 220 lb. bags NY..... ton	...	35.00	vial..... oz.	...	14.57	Oxide red, Spanish..... lb.	.03%	.07%
Furfural, 300 lb. bbls..... lb.	.25	.30	Five ozs., 1 oz. vials..... oz.	...	13.50	& Ammon. Oxalate 25 lb. bbs. lb.	.42	.45
Fusel Oil, 10% Impurities, drs. gal	2.80	3.00	Hydrastine Alk., USP, 1 oz. vial. oz.	14.00	14.57	& Potassium Oxalate, 25 lb. bbs. lb.	.45	.47
G. SALT, paste 350 lb. bbls. basis	...	...	Hydrochloride, USP, 1 oz. vial..... oz.	...	14.57	& Sodium Oxalate, 25 lb. bbs. lb.	.41	.43
100%..... lb.	.60	.65	Sulfate, 1 oz. vial..... oz.	...	16.07	Phosphate, USP 50 lb..... lb.09
						Pyrophosphate, USP, 50 lb..... lb.74

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Chemicals

JALAP RESIN , lump 5 lb tins... lb	3.25	3.25	Linalool , 5 lb bot... lb	6.25	6.75	Manganese —(continued)		
Powd. tins... lb	3.40	3.50	Litharge , see lead oxide			Glycerophosphate, 5 lb tins... lb	2.95	
Kapoc , 200 lb double bales... lb	.25	.25	Lithium Carb. USP, 100 lb kgs... lb	1.50	1.60	Hypophos. USP VIII 5 lb cans... lb	1.40	
KIESELGUHR , 95 lb bags NY... ton	60.00	70.00	Bromide , 100 lb cs... lb	1.80	1.90	Iodide, 1 lb bot... lb	6.65	
LANOLIN , see Adeps Lanae			Citrate , USP, 100 lb kgs... lb	1.70	1.75	Ora , bulk, NY... lb	.45	
LEAD , metal c/NY... 100 lb	9.25	9.75	Iodide , 5 lb bot... lb		7.50	Sulfate, 600 lb casks NY... lb	.08	
Acetate, white crystals 500 lb			Lithopone , 400 lb bbls, 1c/l wks... lb		.06%	Marble Flour , bulk... ton	10.00	12.00
bbls. wks... lb		.15 1/2	Bbls. c/l wks... lb		.06%	See also Calcium Carbonate		
100 to 250 lb kgs. wks... lb		.18	Bags , c/l wks... lb		.06%	MENTHOL , USP, 60 lb cases... lb	13.00	
White, broken, bbls. wks. 100 lb		14.75	Imported , 400 lb bbls... lb		.05%	Less cases, 5 lb tins... lb	13.50	
White, gran., bbls., wks. 100 lb		15.00	Litmus Cubes	.90	1.00	Domestic, USP, 60 lb cases... lb		
White, powd., bbls. wks. 100 lb		16.25	Luminal , see Phenylethylmalonylurea			MERCURY , metal, 75 lb flasks... flask	76.00	77.00
Keps , wks... lb		.16 1/2	MAGNESITE , crude... ton		15.00	Less Flasks, 5 lb jugs... lb	1.00	
Brown, broken, bbls. wks... lb		.14 1/2	Calcined , 500 lb bbls... ton		55.00	Bichloride , cryst. 25 lb bxs... lb	1.13	
USP, 100 lb kgs... lb		.15 1/2	Magnesium mt. , sticks 100 lb cs... lb	1.25	1.30	Gran. powd., 200 lb kgs... lb	.95	
Arsenase , 100 lb bbls, 1c/l wks... lb	.21	.25	Carb. tech. 70 lb bags NY... lb	.08	.08 1/2	Bisulfate , 25 lb boxes... lb	.96	
bbls. c/l wks... lb	.17	.19	75 lb bbls. NY... lb	.08 1/2	.10 1/2	Blue Mass, 25 lb boxes... lb	.66	
Paste , 100 & 600 lb bbls... lb	.10	.15	USP , 60 lb bbls... lb	.12	.14	Powdered, 25 lb boxes... lb	.68	
Iodide , USP VIII 5 lb bot... lb	3.20	3.40	USP , blocks 100 lb cs. 1, 2, 4		.23	Blue Ointment , USP 25 lb cans		
Nitrate , 500 lb bbls. wks... lb		.12	ons.	.19	.23	50%... lb	.66	
Oxide , litharge, 500 lb bbls... lb		.11 1/2	Chloride , fused 575 lb drs. c/l			USP, dilute 25 lb cans 30%... lb	.64	
100 lb kgs. wks... lb		.16 1/2	wks.			55 1/2% Mercury... lb	.74	
Oxide , red 500 lb bbls. wks... lb		.12 1/2	Flaked , 350 lb drs. wks c/l ton		34.00	Calomel , 50 lb bxs... lb	1.23	
100 lb kgs. wks... lb		.16 1/2	Imp. , fused 900 lb bbls NY ton	26.00	28.00	Citrine Ointment 25 lb jars... lb	.51	
Peroxide , 100 lb drs... lb	.25	.30	Fluossilicate , crystals 400 lb bbls			Iodide , green 25 lb jars... lb	4.10	
White , basic carb. 500 lb bbls			wks.	.12	.15	Red , USP 25 lb jars... lb	4.20	
wks... lb		.10 1/2	30% soln. 500 lb bbls. wks... lb	.07	.07 1/2	Yellow , USP VIII 25 lb jars... lb	4.10	
Bbls. c/l wks... lb		.10 1/2	Soln. bbls. c/l wks... lb		.06	Oxide , Yellow, USP, 25 lb bxs... lb	1.68	
100 lb kgs. wks... lb		.15	Glycerophosphate , 5 lb tins... lb		3.25	Red Precip. USP, 25 lb bxs... lb	1.38	
White , sulfate 500 lb bbls. wks... lb		.10	Hypophosphite , 5 lb cans... lb		1.05	Powder , USP 25 lb bxs... lb	1.48	
Bbls. , c/l wks... lb		.10	Oxide , USP light 100 lb bbls... lb		.42	White Precip. USP 25 lb bxs... lb	1.34	
Licorice Ext. Mass , cases... lb	.25	.26	USP , heavy 250 lb bbls... lb		.50	Powdered, USP, 25 lb bxs... lb	1.39	
Compound powder , bbls... lb	.11	.13	Peroxide , 5 lb cans... lb		2.40	With chalk, USP 25 lb bxs... lb	.66	
Powdered ... lb	.38	.40	Perborate , 1 lb tins... lb		2.62	Meta-Nitraniline ... lb	.70	.80
Sticks , 1 oz. 100 lb cases... lb	.45	.50	Salticyle , 100 lb kgs... lb	.75	.80	Meta-Nitro-para-Toluidine , 300 lb	2.05	2.10
LIME , (Salts, see Calcium Salts)			Sulfate , see Epsom Salts			bbls... lb		
Live , 325 lb bbls. ton lots, wks... lb		.01 1/2	Manganese Chloride , 600 lb csk.			Meta-Phenylenediamine , 300 lb	.90	.95
Single bbl. wks... lb		.01 1/2	NY	.09 1/2	.10	bbls... lb		
Hydrated , 167 lb bbl., ton lots,			Borate , 30% 200 lb bbls... lb		.24	Meta-Toluylenediamine , 300 lb	.85	.88
wks.		.01 1/2	100 lb kgs... lb		.25	bbls... lb		
Single bbl. wks... lb		.01 1/2	Dioxide , 80-84% 900 lb bbls	80.00	85.00			
Oyster Shell , 150 lb bbl. sing. lb		.03 1/2	NY					
Sulfur , dry 200 lb drs. NY... lb		.08 1/2	85-90% 900 lb bbls. NY ton	85.00	90.00			
Drs. c/l NY... lb		.08	Hydrated , precip. 100 lb kgs... lb	.15	.20			
33° Soln. 50 gal bbls. NYgal	.15	.16						

ACETATES

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 110 William Street
 New York

Chemicals

METHANOL (Wood Alcohol)			Musk Ambrette, 1 lb cans..... D			15.00	16.00	Ortho-Toluidine, 350 lb bbls.... D			.17	.18
95% tanks..... gal	...	.67	NAPHTHA, See Solvent Naphtha					Oxgall, USP, 5 lb bot..... D			2.00	2.00
Drums, c/1..... gal	...	.70	NAPHTHALENE, Flake, 175 lb bbls.					Purified, 5 lb bot..... D			1.50	2.50
Drums, lc/1..... gal	...	.72	wks..... D			...	.06	Crude, 5 lb bot..... D			.80	1.25
97% tanks..... gal	...	.69	Bbls., c/1 wks..... D			...	.05½	PALLADIUM, metal 10 oz. lots..... D			75.00	76.00
Drums, c/1..... gal	...	.72	Bbls., second hands NY..... D			...	.05½	Pancreatin, USP 5 lb bot..... D			1.25	1.40
Drums, lc/1..... gal	...	.74	Balls, 250 lb bbls. wks..... D			...	.07	Papain, 10 lb bot. USP, Powd..... D			2.15	2.25
Pure, Acetone from, the..... gal	...	.75	Bbls., c/1 wks..... D			...	.06¾	Crude, 150 lb cases..... D			1.80	1.85
Drums, c/1..... gal	...	.77	Bbls., second hands NY..... D			...	.06¾	Paraffin, ref'd 200 lb ca. slabs				
Drums, lc/1..... gal	...	.80	Crushed, chipped, bgs., wks..... D			...	.05	123-127 Deg. M. F..... D			.05¾	.06
Bbls. incl. 5c higher			Crude, imp., bags..... D			...	.02	128-132 Deg. M. F..... D			.05¾	.06¾
Methyl Acetone, 100 gal. drums..... gal	.75	.80	Nickel Metal, electrolytic 100 lb					133-137 Deg. M. F..... D			.06¾	.07
Tanks, cars..... gal	.70	.75	kgs..... D			.29	.32	138-140 Deg. M. F..... D			.07¾	.07¾
Chloride, 90 lb cyl..... D	...	.50	Ingot, 100 lb kgs..... D			.29	.32	Para-Aminocetanilid, 100 lb				
Sulicylate, USP, 5 lb cases..... D	...	.47	Salt, single 400 lb bbls., NY..... D			.09	.10	kgs..... D			1.10	1.15
500 lb drums..... D	...	.45	Double, 400 lb bbls., NY..... D			.10	.11	Para-Aminophenol, 100 lb kgs..... D			1.16	1.25
Second Hands, cases..... D	.44	.45	Oxide, 100 lb kgs NY..... D			.40	.42	Hydrochloride, 100 lb keg..... D			1.35	1.40
Methylene Blue, tech. 100 lb kgs..... D	1.35	1.50	Sulfate, 450 lb bbls. D			.09	.10	Para-Dichlorobenzene, 150 lb bbls.				
USP, medicinal 5 lb cans..... D	2.00	2.30	Nicotine, Free 40%, 8 lb tins..... D			1.35	1.90	wks..... D			.17	.20
Miesler's Ketone, 225 lb bbls..... D	...	3.75	Sulfate, 10 lb tins, 40%..... D			1.05	1.35	25-50 lb kgs..... D			.18	.22
Milk, powd. 150 lb bbls..... D	.14	.15	Nitre Cake, bulk wks..... ton			5.50	6.00	Paraldehyde, 100 gal. drs..... D			...	.48
Milk Sugar, see sugar of milk			500 lb bbls..... ton			13.00	14.00	Para-Cymene, Refd., 110 gal drs..... gal			2.25	2.50
Mineral Oil, see oil mineral			Nitrobenzene, crude, 1000 lb drs.					Paraformaldehyde, USP 100 lb ca. lb			.42¾	.45
Mineral Rubber..... ton	35.00	75.00	wks..... D			.09	.09¾	Para-Nitroacetanilid, 300 lb				
Monocedone, 100 gal. drums..... D	...	.50	Redistilled, 1000 lb drs. wks..... D			.09¾	.10¾	bbls..... D			.50	.55
Monochlorobenzene, see chlorobenzene			Nitronaphthalene, 550 lb bbls..... D			.20	.21	PARA-NITROANILINE, 300 lb bbls.				
Monomethylaniline, 900 lb drs..... D	.90	1.00	Nitrotoluene, mixed 1000 lb drs.					wks. ton..... D			.66	.67
Monomethyl para-toliphenol sulfate			wks..... D			.14	.15	Para-Nitrochlorobenzene, 1200 lb drs.				
100 lb drs..... D	3.95	4.20	Ochre..... D			...	.03¾	wks..... D			.30	.30
MORPHINE Sulfate, USP 5 oz. tins			Oil Fuel, see Fuel Oil					Para-Nitro-ortho-Toluidine, 300 lb				
10 oz..... oz	...	7.35	Oil MINERAL, wh. 50 gal. bbls..... gal			1.00	1.25	bbls..... D			2.75	2.85
Acetate, 5 oz. tins 10 oz. lots..... oz	...	7.35	Oil Mirbane, see nitrobenzene					Para-Nitrophenol, 185 lb bbls..... D			.55	.60
Hydrobromide, 5 oz. tins 10 oz. lots..... oz	...	7.35	Opium, see crude drugs					Para-Nitrosodimethylaniline, 120 lb				
Hydchloride, 5 oz. tins 10 oz. lots..... oz	...	7.35	Orange Mineral, 800 lb casks NY..... D			...	.14	bbls..... D			...	.05
Methyl Hydchloride, ¼ oz. via. 10 oz..... oz	...	11.45	500 lb bbls. NY..... D			...	.14	Para-Nitrotoluene, 350 lb bbls..... D			.42	.45
Small Sizes: ¼ oz. vials, 50c extra; ½ oz. 25c extra; single oz. via. 7c extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins, 10c on lower than above schedule. Less than 10 oz. lots 15c on. higher than above schedule.			Ortho-Aminophenol, 50 lb kgs..... D			2.40	2.50	kgs..... D			...	1.70
			Ortho-Ambrette, 100 lb drs..... D			...	2.00	Para-Phenetidin, 500 lb drs..... D			1.55	1.80
			Ortho-Dichlorobenzene, 1000 lb drs.					Para-Phenylenediamine, 350 lb				
			wks..... D			.05¾	.06	bbls..... D			1.25	1.30
			Ortho-Nitrochlorobenzene, 1200 lb					Para-Toluene-Sulfonamide, 175 lb				
			drs. wks..... D			.35	.40	bbls..... D			.40	.41
			Ortho-Nitrophenol, 350 lb..... D			...	1.00	Para-Toluene-Sulfonchloride, 410 lb				
			Ortho-Nitrotoluene, 1000 lb drs.					bbls. wks..... D			.18	.30
			wks..... D			.09	.10	Para-Toluidine, 350 lb bbls. wks..... D			.75	.80



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Chemicals

PARIS GREEN			Piperazine Hydrate, 1 lb. bot....D			POTASSIUM—(Continued)		
Arsenic Beads, 500 lb. kegs....D	.25	.30	Piperidine, 25 oz.....oz	1.10	1.25	Chlorate, crys. 112 lb. kegs. e/l		
Kegs, 100 lb. ....D	.32	.33	Pitch, Coal-Tar, wks.....ton	24.00	26.00	wks.....D	.08	.08%
Kits, 56, 28, 14 lbs.....D	.34	.35	Plaster Paris, tech 250 lb bbls.bbl	...	3.30	Imp. 112 lb kegs, NY...D	.06%	.07
Packages, 5 and 2 lb.....D	.38	.37	True Dental, 300 bbls....bbl	...	4.50	Powd., 112 lb kegs wks....D	.08%	.09
1 lb., 1/2, 1/4 lb.....D	.39	.43	Platinum, metal soft 10 oz. lots...oz	...	117.00	Imp., kegs NY.....D	.06%	.06%
Paris White, see whitening, French			Podophyllin, 5 lb. bot.....D	5.20	8.40	Gran. Imp. 112 lb kegs NY...D	.10%	.11
Peppin, USP, 5 lb. bot.....D	2.25	2.50	Second Hands.....D	4.75	4.90	Pyrotechnic, fine powd. NY...D	...	.07
PETROLATUM, green 300 lb bbls.D	.02%	.03	POTASH, CAUSTIC, solid 88-92%			USP, fine crys. 110 lb kegs		
Dark Amber, 300 lb bbls....D	.03%	.04	700 lb drs. wks.....D	.07%	.07%	NY.....D	.07	.07%
Light Amber, 300 lb bbls....D	.04%	.05	Imp., 88-92% 700 lb drs. NY.D	.07%	.07%	Citrate, USP 50 lb.....D	...	.60
Cream White, USP 300 lb bbls.D	.07	.07%	USP, by alcohol 5 lb cans....D	.46	.48	Cyanide, 110 lb cases.....D	.60	.65
Lily White, USP, 300 lb bbls.D	.09	.09%	cases.....D	.30	.35	Glycerophosphate, 75% Soln. 25 lb		
Snow White, USP, 300 lb bbls.D	.12%	.13	POTASSIUM Acetate, USP, 100 lb			dms.....D	1.55	1.50
Phenol, see also acid carbolic			kegs.....D	.29	.30	Guaiacol Sulfonate, 5 lb cans,		
Makers, 950 lb drums, spot....D	.23	.24	Second Hands, kegs.....D	.26	.28	10 lb.....D	2.00	2.25
Small drums, 240-100 lb.....D	.24	.26	Bicarbonate, crys. 320 lb bbls.D	.10	.10%	Hypophosphite, 10 lb cans....D	.80	.85
Open market, drums.....D	...	.24	Richromate, crys, 900 lb casks.D	.08%	.08%	Iodide, USP, 100 lb cases....D	3.35	3.40
240 lb des. drs. wks.....D	...	.25	Powd., 900 lb casks wks....D	...	.12	Second Hands, cases.....D	3.35	3.40
Natural, 240 lb des. drs. wks.D	...	...	Binoculate, 300 lb bbls.....D	.25	.28	Lactophosphate, 4 oz bot.....oz	...	.90
Phenolphthalein, USP, 100 lb drs.D	1.30	1.40	Import, 112 lb bbls.....D	.18	.20	Metabisulfite, 300 lb bbls....D	.18	.20
5 lb cans, 100 lb lots.....D	1.40	1.50	Bisulfate, C.P., 5 lb cans....D	...	.30	Imp., 550 lb bbls.....D	.10	.13
Phenyl-Alpha-Naphthylamine 100 lb			100 lb kegs.....D	...	.22	Muriate, 80%, 200 lb bags, NY		
kegs.....D	...	...	Bromate, 100 lb cs.....D	...	.75	K ₂ O unit.....D	...	.69
Phenylethylalcohol, 1 lb bot. Dom.D	8.00	10.00	BROMIDE, USP, cryst. 450 lb			Nitrate, see Saltpetre		
Imported.....D	7.00	7.75	bbls.....D	.48	.49	Oxalate, neutral, 100 lb kegs..D	.35	.40
Phenylethylmalonylurea, oz. pkts.oz	...	5.50	Granular, 300 lb bbls....D	.48	.49	Perchlorate, 112 lb kegs....D	.14	.14%
Phosgene, 100 lb cylinders.....D	...	...	Cases, 100 lb.....D	...	.50	PERMANGAN, USP, crys. 500 lb		
Phosphorus Oxidechloride, 175 lb cyl.D	.35	.40	Imported, USP, 220 lb cs....D	.42	.44	& 100 lb drs., wks....D	.15	.16
Phosphorus, red 110 lb cs. wks..D	...	...	CARBONATE, 80-85% calc.			Imp. 113 lb drs.....D	.14%	.15
Imported, 112 lb cases....D	.90	1.00	800 lb cks.....D	.05%	.05%	Prussiate, red, 500 lb casks..D	.36%	.37
Yellow, 110 lb cs. wks.....D	.35	.37%	80-85%, hydrated. 800 lb			Prussiate, yellow, 500 lb casks.D	.17	.17%
Imported, 112 lb cases....D	...	...	cks.....D	.05%	.05%	Salicylate, 25 lb cans.....D	.60	.65
Phosphorus Trichloride, 175 lb cyl.			90-95% calc. casks.....D	.06	.06%	Sulfate, 200 lb bags, NY.K ₂ O unit	...	.85
wks.....D	...	.45	98-98% calc. casks.....D	.06	.06%	USP, VIII, 100 lb kegs....D	.15	.18
Phthalic Anhydride, 100 lb bbls.D	.23	.28	99% calc. casus.....D	.07	.07%	Sulfocyanide, CP 25 lb jars...D	...	.50
Pilocarpine Hydrochloride, USP 25 oz.			USP 100 lb kegs.....D	.12%	.13	Tartrate, neutral, 100 lb kegs.D	...	.53
lots, 1 oz. vials.....oz	3.00	3.32	99% CP casks.....D	...	.12%	Titanium Oxalate 200 lb bbls.D	.25	.30
Nitrate, 25 oz.....oz	...	3.00						
Single ozs.....oz	...	3.32						
Alkaloid, 15 gr. vials.....oz	...	.85						

Largest producers of Pure Phthalic Anhydride in the world

**SELDEN**

99.99 + % Pure.

Brand PHTHALIC ANHYDRIDEis the Product by which all other
Brands may be Standardized.**IT-IS-PURE**

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY
Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb. bbls. lb.	.04%	.08
Lump, bags .....	.03%	.05
Powdered, 350 lb. bbls. lb.	.02%	.03
Pyridine, 50 gal. drums.....gal	3.85	4.00

QUICKSILVER, see Mercury

Quinidine Alk., 1000s tins.....oz	..	.75
Sulfate, 100 oz. tins .....	..	.50

Quinidine, see Chinoidin

QUININE SULFATE, USP,

American, 100 oz. tins.....oz	..	.50
100 tins, 1000s lots.....oz	..	.57
Dutch, 1000s tins.....oz	..	.50
Java, 1000s tins.....oz	..	.50
Japanese, 1000s tins.....oz	..	.50

QUININE SULFATE, USP,

Acetate .....	..	.88
Arsenate .....	..	.88
Benzoate .....	..	.88
Bisulfate, USP .....	..	.50
Citrate .....	..	.62
Dihydrochloride, USP .....	..	.66
Dihydrobromide .....	..	.66
Dicarbonate, 100s tins.....oz	..	2.50
Ethyl Carbonate, 16oz. tins.....oz	..	.91
Ferrocyanide .....	..	.88
Formate .....	..	.85
Glycerophosphate .....	..	.88
Iodide .....	..	.88
Hydrobromide, USP .....	..	.62
Hydrochloride, USP .....	..	.62
Hydrochlorosulfate .....	..	.66
Hydrochloride & Urea, USP.....lb	..	.88
Hypophosphite .....	..	.88
Lactate .....	..	.78
Phenolsulfonate .....	..	.58
Phosphate .....	..	.74
Salicylate, USP .....	..	.63
Tannate, USP .....	..	.45

QUININE—(continued)

Tartrate .....	..	.88
Valerate .....	..	.89

Small Sizes: 10s vials or cans,
500s lots, 5c oz extra; 50s cans,
500s lots 3c oz extra; 250s cans,
500s lots, 2c oz extra; single 10s
vials or cans, 5c extra. All minor
quinine salts sold and quoted basis
1000s lots in 1000s cans. Sulfate
and bisulfate sold basis 1000s
lots in 1000s cans. Smaller orders
or containers extra as above
schedule.

R SALT, 250 lb. bbls. wks.....lb	.49	.50
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Red Lead, see lead oxide

Red Precipitate, see mercury

Resorcinol, see resorcinol.

Resorcinol tech, 100 lb. kegs.....lb	1.35	1.50
USP, 25 lb. cans	2.35	2.55
Rochelle Salt, USP, 225 lb. bbls. lb.	.30	.21
Imp. USP, 300 lb. bbls.....lb	.19	.20
Rosewater, triple, 5 gal. demis.....gal	.90	1.10
Rotten Stone, lump imp., bbls.....lb	.07	.08
Lump selected, bbls.....lb	.09	.12
Powdered, bbls.....lb	.02	.05
Domestic, bags, mines.....ton	24.00	30.00

SACCHARIN, USP, 1 lb. cans, 25 lb.	lb.	1.90	2.10
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Soluble, USP, 1 lb. cans, 25 lb. lb.	lb.	1.90	2.10
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Sal Ammoniac, see Ammon. Chloride

Salicin, USP, 1 lb. cartons, 25 lb. lb.	lb.	4.75	5.00
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Salol, USP, 100 lb. drums.....lb	lb.	.75	.80
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Salt, Common, see sodium chloride

Salt Cake, c/l f.o.b. wks.....ton	12.00	22.00
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SALTPETRE, Double Refined

Granular, 400-500 lb. bbls.
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c/l wks.....lb	..	.06
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Less c/l works, bbls.....lb	..	.06%	.06%
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Large Crystals, 350-400 lb. bbls.
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c/l wks.....lb	..	.07%
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Small Crystals, 350-400 lb. bbls.
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c/l wks.....lb	..	.07
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Powdered, bbls, c/l wks.....lb	..	.07
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Imported, 500 lb. bbls., NY.....lb	..	.06%
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Santonin, USP, 1 lb. bot.....lb	150.00	158.00
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Powd. 1 lb. bot.....lb	153.00	157.00
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Saponin, ex Quillaia, 5 lb. tins. lb.	.90	1.10
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Satin White, 500 lb. bbls.....lb	..	.01%
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Schaeffer's Salt, 250 lb. bbls.wks. lb.	.60	.65
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Scopolamine, see hyoscyne.

Seldilite Mixture, 225 lb. bbls.....lb	.16%	.16%
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SILICA

Crude, bulk, nunes.....ton	10.00	12.00
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Refined, floated, bags.....ton	18.00	30.00
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Air floated, bags.....ton	32.00	50.00
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Extra, floated, bags.....ton	55.00	65.00
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SILVER, metal, American.....oz	..	.99%
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Foreign68
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Colloidal, 16oz bot.....oz	..	2.80
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Silver iodide, 16oz bot.....oz	..	.69
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Nitrate, 16 oz. bot.....oz	..	.46%	.47
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Nucleinate, 16oz bot.....oz	..	.34	.38
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Protinate, 16oz bot.....oz	..	.34	.38
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Soap, Castile, 40 lb. bxs.....lb	.20	.25
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Powd. USP, 250 lb. bbls.....lb	.28	.39
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Green, USP, 150 lb. kegs.....lb	.07	.07%
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Soapstone, see Talc, crude

SODA ASH, 58% light

1-4 bags, deliv'd NY.....100 lb	..	2.10
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5 & Up bags, deliv'd NY.....100 lb	..	2.04
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1-4 bbls., deliv'd NY.....100 lb	..	2.44
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5 & Up bbls., deliv'd NY.....100 lb	..	2.29
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Contract, Basis 58% bags c/l
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wks.....100 lb	..	1.38
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Prompt and spot, Basis 58% bags
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c/l wks.....100 lb	..	1.48
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Contract, Basis 58% dense bags
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c/l wks.....100 lb	..	1.45
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Pmpt. and spot, Basis 58% bags
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c/l wks.....100 lb	..	1.55
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SODA, CAUSTIC, 76% solid

1-4 drums deliv'd NY.....100 lb	..	3.91
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5 & Up drums deliv'd NY.....100 lb	..	3.78
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Ground & Flake, 76%
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1-4 drums, deliv'd NY.....100 lb	..	4.31
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5 & Up drums deliv'd NY.....100 lb	..	4.16
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1-4 bbls. deliv'd.....100 lb	..	4.56
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5 & Up bbls., deliv'd.....100 lb	..	4.41
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Contract basis 76% c/l wks
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100 lb	..	3.10
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A Record for Quality Founded upon Performance

Diamond products have attained an enviable position among consumers of quality Alkalies. A record for performance has been responsible for the increasing demand for—not just Alkalies, but Diamond Alkalies.

Diamond Alkalies are *actually* guaranteed. They have set a standard which users recognize and value for the knowledge it gives them that they are using Alkalies of the highest quality. When you specify "Diamond" you depend upon quality.

Manufactured & Sold
Direct to Consumer

Diamond Alkali Company
Pittsburgh · Penna



[Diamond Caustic Soda
is guaranteed
over 98% pure]



The Trademark
of Quality
in Alkalies



FIRST the sale—then the delivery; and to insure delivery quickly, safely and economically, we offer, the services of a well-organized, experienced and efficient

TRAFFIC DEPARTMENT

Solvay customers have not only the assurance of a superior product, but from the initial sale to the final use, the Company serves them through specialized departments.

Solvay Fluf (Extra Light Soda Ash)

Solvay 58% Soda Ash

Dense—Light

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali

Solvay Snow Flake Crystals

(Trademark Registered)

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



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Pittsburgh

Chemicals

SODA CAUSTIC—(Continued)

Pmpt. and spot, Basis 76% c/l wks.100lb	...	3.30
Contract 74% low grade c/l wks. flat ....100lb	...	3.02
Ground & flake, 76% pmpt. and spot, wks. c/l drs. ....100lb	...	3.60
Contract 76% drums c/l wks. flat ....100lb	...	3.50
USP, stick, 10 lb cans. ....D	.19	.21
Pure, stick, by alcohol. ....D	.25	.27
SODIUM ACETATE, crys. 450 lb bbls. wks. ....D	.04%	.05%
Aluminate, 500 lb bbls. wks. ....D	.07%	.08
Aluminum Sulfate, see alum. soda		
Arsenite, 4 lb mat. wks. drums. gal	.50	.60
Drums, 8 lb material, wks. gal	1.00	1.20
Benzonate, USP, 100 lb bbls. ....D	.62	.65
Bicarbonate, 400 lb bbls. NY. 100 lb	...	2.25
Bbls. c/l wks. ....100lb	...	2.00
112 lb kegs wks. ....100lb	...	2.25
112 lb kegs, NY. ....100lb	...	2.50
Bichromate, 600 lb casks wks. ....D	.06%	.06%
Casks, c/l NY. ....D	.06%	.06%
Caslu, NY. ....D	.06%	.06%
Bisulfite dry powder, 500 lb bbls., wks. ....D	.04	.04%
Solution, 32-40°, 500 lb bbls. wks. ....100lb	1.25	1.75
Bromate, 100 lb cs. ....D	...	1.05
BROMIDE, USP, 450 lb bbls. ....D	.48	.49
Cases, 50 lb ....D	.48	.49
Imp. USP, 112 cs. ....D	.43	.45
Cacodylate, USP, 5 lb. bot. 25 lb ....D	5.50	5.90
Carbonate, sal soda, 350 lb bbls. le/1 NY. ....100lb	1.30	1.35
Works c/l ....100lb	1.10	1.30
Monohydrate, 400 lb bbl. le/1 NY. ....100lb	...	2.40
Pur. photophable, 100 lb kg. ....D	.06	.08
Chlorate, 112 lb kegs, wks. ....D	...	.06%
Imported, 112 lb kegs. ....D	.06%	.06%

SODIUM—(Continued)

Chloride, tech. 200 lb bags. ....ton	12.00	13.00
C. P., 300 lb bbls. ....D	.05	.08
Chromate, 800 lb bbls. ....D	...	.08
Citrate, USP, 1X, 50 lb kegs. ....D	...	.59
USP, VIII, 50 lb kegs. ....D	...	.62
Cyanide, 98-98%, 100 lb cases wks. ....D	...	.22
Ton lots, wks. ....D	...	.22
73-76%, 100 lb cases, wks. ....D	...	.19%
125-126%, 200 lb cs. ....D	.20	.20%
120-125%, 200 lb cs. ....D	.17	.18
118-120%, 200 lb cs. ....D	.16	.17
Fluoride, 300 lb bbls, wks. ....D	.08%	.09%
Imp. 350 lb bbls. ....D	...	.08%
Glycerophosphate, USP, crys. 25 lb cans. ....D	1.40	1.50
Powder, 25 lb time ....D	1.45	1.60
Solution, USP, 25 lb time ....D	1.05	1.15
Hydroxide, see Soda Caustic		
Hypochlorite, Soln., 100 lb chys. ....D	...	.05
14 1/2% soln., 50 lb chys. ....D	...	.04
Hydroxide, 200 lb bbls. fob. wks. ....D	.22	.24
For Stripping, 50 lb cans. ....D	.35	.40
Hypophosphite USP 25 lb D	.70	.75
HYPOSULFITE, tech. pea crys. 375 lb bbls. ....100lb	2.65	3.05
Bbls. c/l wks. ....100lb	...	2.50
100 lb kegs wks. ....100lb	2.75	3.35
Imp. ....100lb	2.60	2.65
Granulated, bbls. wks. ....100lb	2.90	3.30
Bbls. c/l wks. ....100lb	...	2.75
Kegs, wks. ....100lb	3.00	3.60
Regular crystals ....100lb	2.35	2.65
Iodide, USP, 25 lb jars. ....D	4.25	4.30
Metallate, 150 lb bbls. ....D	.55	.70
Naphthionate, 300 lb bbls. ....D	.59	.62
Nitrate, crude, 95%, 200 lb bags. c/l NY. ....100lb	...	2.45
Future, NY. ....100lb	2.47	2.51
Double Refined 400 lb bbls gran. c/l wks. ....D	...	.04%
Nitrite, 500 lb bbls., spot makers ....D	...	.09%
Imp. 650 lb casks ....D	.09%	.09%

SODIUM—(Continued)

Ortho-Chloro-Toluene Sulfonate, 175 lb bbls., wks. ....D	.25	.27
Oxalate, neutral, 100 lb kegs. ....D	...	.39
Perborate, 275 lb bbls. ....D	...	.21%
Imp. 225 lb drs. ....D	...	.23
Peroxide, 200 lb cases ....D	.25	.27
Phosphate, di-sodium, tech. 550 lb bbls. ....D	.03%	.03%
USP, gran. 275 bbls. ....D	.07	.07%
Imp. gran. ....D	.05%	.08
USP, recryst. 275 bbls. ....D	.10	.11
Mono-sodium, 100 lb kegs. ....D	.24	.26
Tri-sodium, tech., c/l bbls. ....D	.03%	.04
Pieramate, 100 lb kegs. ....D	...	.60
Para-Toluene Sulfonate, 175 lb bbls. ....D	.08	.09
PRUSSIAN, yellow, 350 lb bbls. Imp. 450 lb cis. ....D	.09%	.09%
Pyrophosphate, 100 lb kegs. ....D	.24	.26
Salticlate, 100 lb kegs. ....D	...	.40
Second Hands, USP, kegs. ....D	.37	.40
Silicate, 60° 700 lb bbls., f.a.s. NY. ....100lb	...	2.00
Works, 1000 lb drums. ....100lb	...	1.90
Works, tanks ....100lb	...	1.75
40° domestic, 700 lb c/l f.o.b. wks. ....100lb	...	.80
Works, 1000 lb drums. ....100lb	...	.85
Works, tanks ....100lb	...	.75
Spot, drums, bbls. ....100lb	1.05	1.80
Silicofluoride, 450 lb bbls. NY. lb	.04	.04%
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls. c/l wks. ....D	.03%	.04
Imp. 250 lb bbls. ....D	.03	.03%
Sulfide, 66% solid, 650 lb drs., le/1 wks. ....D	.04	.04%
Drs. c/l wks. ....D	.03	.03%
Imp. 700 lb drs. NY. ....D	...	.03%
60% broken, 650 lb drs. wks. ....D	.04%	.05
Imp., 500 lb drs., NY. ....D	.03%	.04
30% crys. 440 lb bbls. wks. ....D	.02	.02%
Imp. 400 lb bbls.D	.02	.02%
Sulfite, crys. 400 lb bbls. wks.D	.03%	.03%
Anhydrous, 400 lb bbls.D	.09%	.10



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Test and Uniform Quality"

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users is on a par with the quality
of "Wyandotte" products. A care-
ful development of facilities and
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unusual demands as promptly as
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Chemicals

SODIUM—(Continued)			SULFUR, crude bulk, c/l NY...			Thiocarbamid, 170 lb bbls.		
Sulfocarbonate, USP, 100 lb kgs.	.35	.37	Crude, f.o.b. miles	14.00	15.00	Thymol, USP, 25 lb tins	5.50	6.00
kgs	.35	.37	Brimstone, 250 lb bags, c/l 100 lb	1.75	1.95	Iodide, 5 lb boxes	7.25	7.50
Sulfocyanide, 400 lb bbls.	.45	.47	Less c/l bags NY	1.85	2.10	TIN, Metal Straits, NY	...	55.25
Tungstate, crys. 100 lb kgs.	.55	.60	Roll, 500 lb bbls, c/l NY 100 lb	...	2.15	American standard, NY	100 lb	55.13
Anhydrous, kgs	...	.75	Less c/l bags NY	100 lb	2.20	99% American, NY	100 lb	54.50
SOLVENT NAPHTHA, 110 gal.			Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05	Bichloride, 50% soln. 100 lb	...	15%
drs. wks	.27	.30	Light, 100%, 260 lb bbls, 100 lb	2.60	3.15	Crystals, 500 lb bbls, wks	...	38%
8000 gal. tank cars wks.	.22	.25	Rubbermakers 100%, 240 lb	2.50	3.30	100 lb kgs, wks	...	.39
Spartein Sulfate, USP, 250 lb bulk.	.30	.40	bbls, NY	100 lb	2.50	Oxide, 300 lb bbls, wks	...	.58
Single oz. vial	...	.47	Commercial, 99%, 150 lb bgs.	1.35	1.65	100 lb kgs, wks	...	.60
Starch, rice, 140 lb bags	.09	.10	NY	100 lb	1.35	Tetrachloride, 1000 lb drs. wks.	...	.31%
STRONTIUM Bromide, USP, 50 lb			For Dusting, 99%, 100 lb	2.00	2.50	Titanium Oxide, bbls, wks	.13	.14
kgs	.51	.52	Flowers, 100%, 240 lb bbls.	...	3.00	Tolidine, 350 lb bbls	1.00	1.10
Carb. 600 lb bbls, wks	...	.07	NY	100 lb	3.00	Sulfate, 350 lb bbls	...	1.10
100 lb kgs, wks	...	.08	Precipitated, 125 lb bbls NY	.14	.17	Toluene, 8000 gal tank cars, wks.	...	.30
Iodide, USP, 35 lb jars	...	4.60	Lac, 125 lb bbls NY	.07	.10	110 gal. drs. wks	...	.31
Nitrate, 600 lb bbls, wks	.10	.10%	Sulfur Chloride, red, 700 lb drs.	...	.08	Toluidine, Mixed, 800 lb drs. wks.	.31	.32
Imp., bbls, NY	...	.09%	wks	...	.08	Triacetin, 50 gal. drs, wks	...	.37%
Salicylate, USP, 100 lb kgs.	.75	.80	150 lb chys. wks	...	.08	Tribromphenol, 100 lb cases	...	1.00
STRYCHNINE Alkaloid, USP, crys.			Yellow, 700 lb drs. wks	.05	.08	Trional, see Sulfonethymethane	...	...
100 oz. tins	...	.81	150 lb chys. wks	...	.07	Triphenylguanidine	...	.80
Alk. powd., USP	...	.71	Sulfur Dioxide, 100 lb cyl.	...	.08	Triphenyl Phosphate, 450 lb bbls.	...	.85
Acetate	...	.80	Iodide, USP, VIII, 5 lb bot.	...	4.55	Tripoli, 500 lb bbls	100 lb	2.50
Glycerophosphate, USP	...	.80	Sulfuric Ether, see Ether	...	.75	Tungsten NY	...	8.25
Hydrobromide	...	.80	Sulfuryl Chloride, 600 lb drs.	...	1.00	Urea, pure, 112 lb cases	...	.20
Hydrochloride	...	.80	TALC, Italian 220 lb bags NY	...	50.00	VANILLIN, USP, 500 oz. cans	...	.49%
Hydrophosphite	...	.80	Refined white, bags	...	80.00	Cans, 80 oz.	...	.50
Nitrate, USP	...	.80	French, 220 lb bags, NY	...	35.00	Cans, 16 oz.	...	.51
Phosphate	...	.80	Refined, white, bags	...	35.00	Second Hands	...	.50
Sulfate, USP, crys. powd.	...	.57%	Dom., crude, 100 lb bags NY	...	13.00	Venetian Red	...	.05
Saccharinate	...	1.92	Refined, 100 lb bags NY	...	16.00	Verdigris, see Copper Subacetate	...	...
Strychnine preparations quoted bases			Tar, Coal Gas, Tks, wks	...	.06	Vermilion, Amer. 100 lb kgs	.35	.40
1000s lots in 1000s tins. Small Sizes:			Coke Oven, Tks, wks	...	.07	English, kgs	1.25	1.30
3/4 oz vials, 50c extra; 1/4 oz vials, 25c			Water Gas, Tks, wks	...	.06	Veratrine Sulfate, 100 vial	...	1.85
extra; single ounce vials, 7c extra. Lots			Tartar Emetic, tech. 700 lb bbls.	...	.24	Hydrochloride, 100 vial	...	1.85
of 25 oz. 5c higher than above			USP, 300 lb bbls	...	.31	Veronal, see Acid Diethylbarbituric	...	...
schedule. Lots of less than 25 oz.			Terpineol, CP 1000 lb drums	...	.48	WHITE LEAD, see lead, white	...	...
10c higher per oz.			Canx, 50 lb	...	.53	White Precipitate, see mercury	...	...
Sugar Coloring bbls	.63	.72	Terpin Hydrate, USP, 100 lb kgs	...	.60	Whiting, 200 lb bags, c/l wks.	13.00	15.00
Sugar Milk, USP, 200 lb bbls.	.21%	.22	Terpineol, 50 lb	...	.53	Bags, 1c/l NY	...	18.00
Second Hands, USP, bbls	.19	.20	Terpenyl Acetate, 25 lb cans	...	1.65	Gilders, bags, NY	13.50	15.00
Sulfonal, see Sulfonmethane	...	...	Terra Alba, No. 1, 300 lb bbls	...	1.85	French, bags, NY	...	18.00
Sulfonethymethane, USP, 10 lb bbs.	3.85	4.05	No. 2, bbls	...	1.25	English, bags, NY	...	21.00
Sulfonmethane, USP, 10 lb bbs.	2.85	2.85	Theobromine Alk., 5 lb cans	...	4.00	Witch Hazel Extract, 50 gal. bbls.	1.05	1.10
			and Sod. Salicylate, 1 lb bot.	...	3.42			

QUININE

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Quinidine**
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Chemicals

XYLENE, 3° dist range, nitration	45	: 50
110 gal. drs. NY.....gal	50	: 55
5° dist. range, 8000 gal. tanks		
wks.....gal	35	: 40
110 gal. drs. wks.....gal	40	: 45
10° dist. range, drums, wks. gal	35	: 40
Tanks, wks.....gal	25	: 26
Commercial 110 gal. drs., wks. gal	30	: 31
Tanks, wks.....gal	25	: 26
Xylidine.....B	40	: 45
YARA YARA, 1 lb tins.....B	1.75	: 2.00
Yohimbin Hydrochloride, 1 oz. vial. oz	3.00	: 3.57
ZINC, METAL, high grade, slabs		
c/l NY.....100 lb		: 8.25
Common Slabs, c/ NY.....100 lb	7.85	: 7.90
Mossy, 25 lb bxs NY.....B		: 14
Ammonium Chloride, powd., 400 lb		
bbis.....B	.07½	: .08
Carb. tech. 150 lb kegs NY.....B		: 20
USP, 100 lb kegs.....B		: 33
Chloride, fused, 600 lb drs. wks. B		: .06
Drs. c/l wks.....B	.04½	: .05
Granulated, 500 lb bbls. wks. B	.07	: .07½
Imported, drs. NY.....B	.06½	: .06¾
Solution, 50% wks. tanks 100 lb	2.25	: 2.50
USP, 25 lb jars.....B	.27	: .29
Cyanide, 100 lb drs. wks.....B	.40	: .41
Dust, 100 lb tins.....B	.09	: .09½
500 lb bbls., kegs, c/l wks. B		: .09¾
500 lb bbls., kegs, c/l wks. B		: .08¾
Iodide, 5 lb bots.....B	5.28	
Nitrate, 25 lb jars.....B		: 45
Oxide, Amer. 300 lb bbls. wks. B	.08½	: .08¾
French, 300 lb bbls wks.....B	.10½	: .12¾
Bbl c/l wks.....B	.09½	: .11½
Bags, c/l wks.....B	.09½	: .10¾
USP, 100 lb bbls. c/l.....B		: .17
Ton lots, wks.....B		: .12
Imported, white seal, bbls.....B		: .10
Green seal, bbls.....B		: .18½
USP 100 lb bbls.....B	.15½	: .16
Stearate, USP, 50 lb bbls.....B		: .19
Sulfate, 400 lb bbls., wks.....B	.03½	: .03¾
Bbls, c/l wks.....B		: .03
USP, 100 lb kegs.....B	.08	: .09
Sulfide, 500 lb bbls.....B	.30	: .33
Sulfocarbonate, 100 lb kegs.....B	.32	: .35

Oils

Castor, No. 1, 400 lb bbls....B	.17½	: .18
80 lb cases.....B		: .18¾
No. 3, bbls.....B	.17	: .17½
Blown, 400 lb bbls.....B		: .19
China Wood, bbls., spot NY.....B	.15½	: .16¾
Tanks, Spot, NY.....B		: .16
Dec. forw. arr. NY bbls.....B	.15½	: .16
Cst., tks., Dec. forw.....B	.14	: .14½
Coconut Ceylon, 375 lb bbls., NY. B	.11½	: .11¾
8000 gal. tanks, NY.....B	.10	: .10¾
Cochin, 375 lb bbls., NY.....B	.12	: .12¾
Tanks, NY.....B		: .11¾
Manila tanks, P. Coast.....B		: .09¾
Manila tanks, NY.....B		: .10
Edible, bbls., NY.....B	.12½	: .13
Cod Newfoundland, 50 gal. bbls. gal	.60	: .62
Tanks, NY.....gal	.55	: .57
Copra, bags.....B	.08	: .08¾
Corn, ref., 375 lb bbls., NY.....B		: .13
Crude, tanks mills.....B		: .10¾
Bbls., NY.....B		: .12
Cottonseed, crude, tks., mill.....B	.099½	
P. S. Y., 100 bbls. NY.....B	.11½	: .12
White, 100 bbls. lots, NY.....B		: .13¾
Winter yellow, 100 bbls. NY. B	.12¾	: .13¾
Degras, Amer. 50 gal. bbls., NY. B	.04½	: .04¾
English, light, bbls., NY.....B		: .05¾
Brown, bbls., NY.....B	.04	: .04½
Light brown, bbls., NY.....B	.04½	: .05
Dark, bbls., NY.....B	.03½	: .04
Neutral, bbls., NY.....B	.10	: Nom.
Moellen, bbls., NY.....gal		: .50
Greasen, choice white, bbls. NY. B	.13½	: .14
Yellow.....B	.09½	: .09¾
Brown.....B		: .08¾
House.....B	.09½	: .09¾
Bone naphtha.....B		: .07
Herring, Tanks, Coast.....gal		: Nom.
Horse, 375 lb bbls., NY.....B		: Nom.
Lard, prime steam, bbls.....B	.15½	: .16
Compounds, bbls.....B		: .13

LARD OIL, Edible, prime, bbls..B		: .19¼
Off prime, bbls.....B		: .17¾
Extra, bbls.....B		: .15¾
Extra, No. 1, bbls.....B		: .14¾
No. 1, bbls.....B		: .13¾
No. 2, bbls.....B		: .13¾
LINSEED, raw c/l bbls., spot...gal		: 1.13
Five bbls., raw.....gal		: 1.17
Boiled, 5 bbl. lots.....gal		: 1.19
Double Boiled, 5 bbl. lots.....gal		: 1.20
Raw, c/l bbls.....gal		: 1.09
Dec., Feb., c/l wks.....gal		: 1.07
Mar., Apr., c/l wks.....gal		: 1.13
May-June, c/l wks.....gal		: 1.14
Imported, bbls., NY.....gal		: 1.17
Tanks, NY.....gal		: ...
Menhaden, crude bbls., wks.....B		: ...
Crude, tanks, Balt.....gal	.58	: .60
Light strained, bbls., NY.....gal	.70	: .72
Yellow, bleached, bbls., NY.....gal	.73	: .75
Extra bleached, bbls., NY.....gal	.75	: .77
Blown, bbls., NY.....gal		: .80
Neatsfoot, 20° c.t. bbls., NY.....B		: .19
Pure, bbls., NY.....B		: .15¾
Extra, bbls., NY.....B		: .13¾
No. 1, bbls., NY.....B		: .13
Oleo Oil, No. 1, bbls., NY.....B	.17	: .17½
No. 2, bbls., NY.....B	.15	: .16
No. 3, bbls., NY.....B		: .14
OLIVE, denatured bbls., NY.....B	1.30	: 1.35
Edible, bbls., NY.....gal	2.15	: 2.25
Focis, bbls., NY.....gal		: .10
Shipments new crop.....B	.09½	: .10
Palm Lagos, 1500 lb casks.....B	.10	: .10¾
Niger casks.....B	.08½	: .09
Bonny old Calabar, casks.....B		: Nom.
Palm Kernel, bbls., NY.....B	.10½	: .10¾
Peanut, refined, bbls., NY.....B	.17	: .17¾
Crude, mills buyers' tks.....B		: ...
Crude, bbls., NY.....B		: ...
Perilla, bbls., NY.....B	.14½	: .14¾
Poppyseed, bbls., NY.....gal	2.25	: 2.50

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Rapeseed, refined, bbls., NY....gal	.99	: 1.00
Blown, bbls., NY.....gal	1.06	: 1.08
Red oil, distilled, bbls.....b	.10%	: .11%
Saponified, bbls.....b	.10%	: .11%
Tanks.....b	.10	: .10%
Salmon, 8000 gal. tks. Coast....gal	..	: .10%
Sesame, edible, bbls.....b	.15%	: nom.
Sod Oil, bbls., NY.....gal	..	: .40
SOYA BEAN, crude, tks., Coast..b	..	: .11%
Crude, tks., NY.....b	.12%	: .12%
Crude, bbls., NY.....b	.13%	: .14
Refined, bbls., NY.....b	..	: .14
Sperm, 38° c.t. blechd. bbls. NY.gal	.92	: .93
45° cold test, blechd. bbls. NY.gal	..	: .90
STEARIC ACID, s p. 200 lb. bags..b	..	: .12
Double pressed, bags.....b	.12%	: .13
Double pressed, bgs., saponified..b	.12%	: .13
Triple pressed, bgs., distilled..b	.14%	: .15
Triple pressed, bgs., saponified..b	.14%	: .15
Stearine, oleo, bbls.....b	.11%	: .12
Tallow, edible, tierces.....b	..	: .11%
City, extra loose.....b	..	: .10%
Tallow Oil, acidless tks., NY....b	..	: .11%
Bbls., c/ NY.....b	..	: .13%
Walnut, crude bbls., NY.....b	..	: ..
Whale, nat winter bbls., NY....gal	..	: .77
Richd. winter bbls., NY....gal	..	: .81
Extra Blechd. bbls., NY....gal	..	: .83
Crude, No. 1, tanks Coast....gal	..	: ..
Crude, No. 2, tanks Coast....gal	..	: ..
Crude, No. 3, tanks Coast....gal	..	: ..

Fertilizer Materials

Blood, dried, f.o.b. NY.....unit	..	: 3.65
Chicago.....unit	..	: 3.70
Bone, 3 & 50 gr. steam, Chgo..unit	23.00	: 23.00
Raw, NY.....ton	..	: 33.00
Cyanamide, NY, basis.....unit	1.65	: 1.75
Fish Scrap, dried wks.....unit	5.00	: 10
Acid, Bulk 7 & 3 1/2, Deliv. Norfolk & Balt. basis..unit	4.00	: 50
Steamed Bone Meal, 3 & 50 Balt.ton	..	: 23.00
Tankage, ground, NY.....unit	3.50	: 10
High grade f.o.b. Chicago....unit	3.25	: 10

Ammon. Sulf., bulk wks.....100b	2.75	: 2.80
Double, bgs., f.a.s. NY....100b	3.00	: nom.
Single, bgs., wks.....100b	..	: 2.90
NITRATE SODA, spot.....100b	..	: 2.45
Future, Jan.-Mar.....100b	2.47	: 2.50
Phosphate Rock, f.o.b. mines	..	..
Florida Pebble, 68%.....ton	..	: 2.25
Florida Pebble, 70%.....ton	..	: 2.50
Florida Pebble, 75-74%.....ton	..	: 3.75
Tennessee, 72%.....ton	..	: 5.50
Phosphate Acid, 16% Bulk wks.ton	..	: 9.50
PTASH	..	..
Pot. Muriate, 80% basis, bgs/ton	..	: 34.55
Pot. Sulfate, 90% basis, bgs, ton	..	: 45.85
Dbie. Manure Salts, 45% basis bgs.....ton	..	: 26.35
Manure Salts, 30% basis, bulk.ton	..	: 17.03
Manure Salts, 20% basis, bulk.ton	..	: 10.55
Kainit, 12.4% basis, bulk..ton	..	: 7.75
Bulk in bags, \$2.00 extra	..	..
Prices c.i.f. Atlantic & Gulf Ports.	..	..
Discounts, 50 tons, 5%; 500 tons, 10%.	..	..

Naval Stores

(Carloads ex-yard N. Y.)

Sprits Turpentine, bbls.....gal	.83 1/2	: .84 1/2
Wood Turpentine, stm. dist. bbls.gal	.75	: .78
Destructive, distilled, bbls....gal	.68	: .70
Pine Oil, stm. dist. bbls....gal	..	: .66
Pitch, prime.....bbl	..	: 5.50
Rosins (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.)	..	..
B.....280 lb	..	: 7.65
D.....280 lb	..	: 7.65
E.....280 lb	..	: 7.65
F.....280 lb	..	: 7.65
G.....280 lb	..	: 7.65
H.....280 lb	..	: 7.65
I.....280 lb	..	: 7.75
K.....280 lb	..	: 7.85
M.....280 lb	..	: 7.95
N.....280 lb	..	: 8.15
WG.....280 lb	..	: 8.95
WV.....280 lb	..	: 9.50

Rosin Oil, first run, 50 gal. bbls.gal	..	: .45
Second run, bbl.....gal	..	: .47
Tar, kiln-burnt.....bbl	13.00	: 14.00
Retort.....bbl	12.50	: 13.00

Dye and Tan Woods

Barwood, chips.....b	.04 1/2	: .05
Camwood, chips.....b	.09	: .13
Divi Divi, pods, bags.....ton	42.00	: 44.00
Fustic, sticks.....ton	30.00	: 32.00
Chips.....b	.04	: .05
Hemlock, bark.....ton	..	: 20.00
Hyperic. chips.....b	.08 1/2	: .07
LOGWOOD, sticks.....ton	23.00	: 27.00
Chips 150 lb bags.....b	.03	: .08 1/2
Mangrove bark, African.....ton	..	: Nom.
Myrcabalans, bags J1.....ton	45.00	: 47.00
R1.....ton	42.00	: 44.00
J2.....ton	42.00	: 44.00
Nutgalls, see Crude Drugs	..	..
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	..	: 25.00
Quercitron bark, rough.....ton	..	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Sicily, 160 lb bags.....ton	170.00	: 175.00
Virginia, 150 lb bags.....ton	40.00	: 45.00
Valonia Caps, 30-31% tan.....ton	..	: 34.00
Beard, 42% tan, bgs.....ton	..	: 52.00
Mixtures, 36% tan.....ton	..	: 39.00
Wattle bark, bgs.....ton	38.50	: 40.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....b	.35	: .39
Archil, double 600 lb bbls.....b	.13	: .14
Triple, 600 lb bbls.....b	.16	: .17
Conc., 800 lb bbls.....b	.18	: .20

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Chestnut, clarified, 25% tks. wks. D	.01%	.01%
Bbls., wks. D	.02%	.03
Powd., 60% 100 lb bags, wks. D	.05%	.05%
Decolorized, bags, wks. D	.06%	.07
Cudbear, English D	.18	.20
Cutch, Rangoon, 100 lb bales D	.14	.16
Borneo, solid, 100 lb bales D	.04%	.05%
Liquid, 450 lb bbls. D	.07%	.11
Tablets, 120 lb boxes D	.13	.14
Flavine D	.95	1.00
Fustic, solid 50 lb boxes D	.14	.20
Crystals, 100 lb boxes D	.20	.22
Liquid, 51°, 600 lb bbls. D	.10	.14
Gall extract D	.16	.18
Gambier, 25% liq. 450 lb bbls. D	.14	.16
Common, 200 lb cases D	.19%	.20
Singapore cubes, 150 lb bags D	.23	.25
HEMATINE, Paste, 500 lb bbls. D	.09%	.13
Crystals, 400 lb bbls. D	.12	.20
Hemlock, 25% 600 lb bbls. wks. D	.03%	.03%
Hyperic, 51°, 600 lb bbls. D	.16	.18
Indigo, Madras, bbls. D	.85	.90
Manilla, bbls. D	...	1.30
Larch, 25%, 600 lb bbls., wks. D	.03%	.04
Powd. 100 lb bags, wks. D	.07	.08
Logwood, 51°, 600 lb bbls. D	...	.09
Lower grades D	.07	.08
Solid, 50 lb boxes D	.09	.15
Madder, Dutch D	.28	.30
Madrovo, 55% 400 lb bbls. D	.04%	.05
Myrobalsam, 25% liquid bbls. D	.04	.05
50% solid, 50 lb boxes D	.05	.05%
Oak, tanks, wks. D	.04	.04%
23-25% liq. 600 lb bbls. wks. D	.04%	.04%
Orange, 51° liquid D	.07	.08
Powd. 100 lb bags D	.14	.15

Persian Berries D	.27	.30
QUEBRACHO, 35% liquid tks. D	.03	.03%
450 lb bbls. D	.03%	.04
35% bleaching, 450 lb bbls. D	.04%	.05%
Solid 65% 100 lb bales D	...	.04%
Clarified, bales D	...	.05
Quercitron, 51° 450 lb bbls. D	.06	.08
Powdered, 100 lb boxes D	.09	.13
Spruce, 25% liquid tanks wks. D	.01	.01%
Powd. 50% 100 lb bags wks. D	.02	.02%
Sumac, liquid 450 lb bbls. D	.06	.07%
Stainless, 600 lb bbls. D	.11	.13

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. D	...	1.35
Blood, 100 lb drs. D	.50	.55
Egg Yolk, Spray, 150 lb cs. D	.45	.65
British Gum, 140 lb bags c/l 100 lb	...	4.82
Bags, c/l D	...	4.92
Dextrin, corn 140 lb bags c/l 100 lb	...	4.52
Bags, c/l D	...	4.62
Yellow, bags c/l D	...	4.57
Bags, c/l D	...	4.67
Potato 220 lb bags c/l D	...	.08
Bags, c/l D	...	.08%
Yellow, 220 lb bags D	...	.07%
Tapioca, 200 lb bags, c/l D	.09	.09%
Prussian blue D	.35	.40
Sago Flour, 150 lb bags D	...	.03%
STARCH, powd. 140 lb bags c/l 100 lb	...	3.97
Bags, c/l D	...	4.07
Pearl, 140 lb bags c/l D	...	3.97
Bags, c/l D	...	3.97
Potato, domestic, 200 lb bags D	.05%	.06
Imported, bags duty paid. D	...	.06%
Tapioca Flour, high grade bags D	.06	.06%
Medium grade bags D	.05%	.05%
Low grade, bags D	.04	.05
Turkey Red Oil, bbls. D	.11	.12
Yolk Oil, bbls. D	...	.35

Crude Drugs

Acetoides Gum, yel. D	.18	.20
ACONITE Leaves, bales D	.10	.12
Root, USP, bags D	.35	.37
Agar Agar, 1, 200 lb bales D	1.55	1.60
No. 2, bales D	...	1.50
No. 3, bales D	...	1.30
Agaric, white, cases D	2.75	3.00
Almonds, bitter, bags bxs. D	.60	.65
Sweet, bags D	.57	.60
Meal, tins, boxes D	.24	.26
Aletris Root, bags D	.42	.44
Alkanet Root, bags D	.08	.09
Aloes, Barbadoes, 120 lb bbls. D	.65	.70
Cape, 400 lb cases D	.08%	.09
Curacao, 100 lb cases D	.10%	.11
Socotrine, whole, 100 lb cs. D	.25	.30
Select, cakes, D D	.35	.37
Althea Root, cut cases D	.45	.50
Whole, bags D	.11	.13
Ambergris, black boxes D	8.00	10.00
Grey, boxes D	...	26.00
Ammoniac, tears, bags D	.68	.73
Angelica Root, dom. bags D	.12	.13
Angostura Bark, bags D	...	.16
Anise, Levant bags D	.15	.16
Russian, bags D	.15	.14
Star, cases D	...	.11%
Spanish, bags D	.15	.15%
Anatto Seed, 200 lb bags D	.21	.22
ARABIC GUM, D	...	...
White, No. 1, 200 lb bags D	.26	.27
Seconds, 250 lb bags D	.24	.25
Sorts, amber, 200 lbs. bbls. D	.13	.13%
Powd., USP, 300 lb bbls. D	.18	.20
Areca Nuts, 150 lb bags D	.23	.24
Powd., 200 lb bbls. D	.20	.22
Arnica Flowers, bales D	.11	.12
Root, bags D	.25	.30
Arrowroot, Amer. powd. bbls. D	.10%	.11
St. Vincent, powd., bbls. D	.13	.14
Asafetida, USP, 250 lb cases D	.23	.25
Powd., 50 lb bxs. D	.40	.42
BALM GILEAD BUDS, bags D	.45	.50
Balmory Herbs, bales D14

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Crude Drugs

SALSAMS								
Copaiba, Para, 80 lb. cases.....	lb	.43 : .45	Canella Alba Bark, bales.....	lb	.53 : .55	Cinnamon, Ceylon, bales.....	lb	.35 : .37
South American, 80 lb. cases.....	lb	.48 : .50	Cannabis, true Imp. bags.....	lb	.. : ..	Broken, bales.....	lb	.24 : .26
Flr Canada, cases.....	lb	11.00 : 11.50	American (no assay) bales.....	lb	.35 : .40	Civet, Abyssin horns.....	oz	2.75 : 3.75
Oregon, bbls., cases.....	lb	1.05 : 1.15	USP.....	lb	.50 : .70	Clover Tops, bags.....	lb	.17 : .18
Peru, 120 lb. cases.....	lb	2.00 : 2.10	Cantharides, Chinese cases.....	lb	.95 : 1.00	Cloves, Zanzibar, 135 lb. bales.....	lb	.30 : .31
Tolu, 120 lb. cases.....	lb	1.70 : 1.80	Powdered, boxes.....	lb	1.15 : 1.20	Amboyas, bales.....	lb	.30 : .31
Bamboo Briar Root, bags.....	lb	.05 1/4 : .06	Cantharides, Russian, cases.....	lb	.85 : .90	Penang, bales.....	lb	.40 : .42
Barberry Bark, tree bales.....	lb	.11 : .13	Powdered, boxes.....	lb	1.00 : 1.10	Cochineal, USP, boxes.....	lb	.45 : .47
Root, bags.....	lb	.. : ..	Caraway Seed, African, bags.....	lb	.10 : .10 1/2	Coca Leaves, Huancayo bags.....	lb	.. : ..
Bayberry Bark, bales.....	lb	.10 : .12	Dutch, 11 lb. bags.....	lb	.10 1/2 : .10 3/4	Truxillo, bags.....	lb	.. : ..
Wax, bbls.....	lb	.21 : .22	Cardamom, bleached, cases.....	lb	2.10 : 2.40	Cohosh Root, Black bags.....	lb	.08 : .08 1/2
Beladonna Leaves, bales.....	lb	.26 : .27	Decorticated, cases.....	lb	1.90 : 2.00	Blue, bags.....	lb	.10 : .10 1/2
Root, bags.....	lb	.13 : .14	Green, grinding, bags.....	lb	1.65 : 1.75	Colchicum Root, bags.....	lb	.07 : .08
Resin Wax, white cases.....	lb	.45 : .50	Carnauba Wax, Flor. bags.....	lb	.39 : .42	Seed, bags.....	lb	.17 : .19
Yellow, refined, cases.....	lb	.32 : .33	No. 1 N Country bags.....	lb	.34 : .36	Colocynth, apples, cases, bales.....	lb	.. : ..
Crude, bags.....	lb	.28 : .30	No. 2 N Country bags.....	lb	.28 : .30	Pulp, USP, bales.....	lb	.28 : .30
Benzoin Gum, Siam, boxes.....	lb	1.30 : 1.35	No. 3 Fatty Gray, bags.....	lb	.22 : .23	Colombo Root, whole bags.....	lb	.03 : .03 1/2
Sumatra, 80 lb. boxes.....	lb	.25 : .27	No. 3 Chalky, bags.....	lb	.22 : .23	Colefoot Leaves, bags.....	lb	.05 : .06
Berberis Aquifolium Root, bags.....	lb	.14 : .15	Cascara Amarga, 150 lb. bales.....	lb	1.50 : 1.75	Comfrey Root, bags.....	lb	.13 : .14
Beth Root, bags.....	lb	.28 : .30	Cascara Sagrada, bales, 1920-22.....	lb	.. : ..	Condurango Bark, bales.....	lb	.15 : .18
Bitter Root, 100 lb. bags.....	lb	.40 : .42	bark.....	lb	.26 : .28	Copaiba Balsam Para, see Balsams.....	lb	.12 : .14
Blackhaw Bark, root, bales.....	lb	.33 : .34	1923 bark.....	lb	.21 : .24	Copal Gum.....	lb	.12 : .13
Tree, bales.....	lb	.15 : .16	1924 bark.....	lb	.14 1/2 : .15	Coriander Seed, Bombay bales.....	lb	.06 : .06 1/2
Black Indian Root, 100 lb. bags.....	lb	.40 : .42	Cascarilla Bark, quills bales.....	lb	.. : ..	Morocco, bags.....	lb	.07 : .07 1/2
Blood Root, bags.....	lb	.14 : .15	Siftings, bbls.....	lb	.. : ..	Bleached, bags.....	lb	.10 1/2 : .11
Blueflag Root, bags.....	lb	.30 : .32	Cassia Buds, 66 lb. cases.....	lb	.12 1/4 : .13	Corn Silk, bales.....	lb	.04 1/2 : .05 1/2
Boldo Leaves, bales.....	lb	.20 : .21	China, Whole Rolls, cases.....	lb	.07 1/4 : .08	Cotton Root Bark, bales.....	lb	.13 : .14
Boneset Herb, bales.....	lb	.08 : .09	Saigon, assort. bales.....	lb	.30 : .31	Cowhage, oz. tins.....	oz	.. : ..
Borage Flowers, bales.....	lb	.17 : .20	Cassia Fistula, baskets.....	lb	.09 : .10	Cramp Bark, so-called bales.....	lb	.07 : .08
Bryonia Root, bags.....	lb	.10 : .11	Castile Soap, USP, powd., 200 lb. bbls.....	lb	.27 : .28	True, bags.....	lb	.30 : .32
BUCHU LEAVES, short, 250 lb. bales.....			Castor Beans, bags.....	lb	.03 : .03 1/2	Cranesbill Root, bags.....	lb	.16 : .18
Less, bales.....	lb	.81 : .83	Castoreum, 1 lb. bot.....	lb	4.00 : 4.50	CUBE BERRIES, XX bags.....	lb	.60 : .65
Long, bales.....	lb	.. : ..	Catechu Root, bags.....	lb	.11 : .12	Powdered, boxes.....	lb	.63 : .65
Buckthorn Bark, bags.....	lb	.05 : .05 1/2	Catsnip Herb, bales.....	lb	.23 : .29	Culvers Root, bags.....	lb	.22 : .23
Burdock Root, bags.....	lb	.13 : .15	Celery Seed, bales.....	lb	.30 : .30 1/2	Cumin Seed, Levant bags.....	lb	.20 : .22
Burgundy Pitch, dom., 110 lb. stands.....	lb	.. : ..	Ceresin Wax, white bags.....	lb	.10 1/4 : .11	Malta, bags.....	lb	.19 : .19 1/2
Gross for net.....	lb	.. : .05	Yellow, 200 lb. bags.....	lb	.09 : .10	Morocco, bags.....	lb	.18 : .18 1/2
Calabar Beans, bags.....	lb	.. : ..	CHAMOMILE FLOWERS, Roman cases bales.....			Cuttlefish Bone, Trieste, straps.....	lb	.12 1/2 : .13
Calamus Root, bleached cases.....	lb	.33 : .35	Hung. cases bales.....	lb	.06 1/4 : .07	Jewelers, large, straps.....	lb	.. : .50
Unbleached, bags.....	lb	.06 : .07	Charcoal Willow, powd. bbls.....	lb	.06 : .06 1/2	Small, straps.....	lb	.. : .35
Calendula Petals, imp. bales.....	lb	.18 : .20	Wood, powd. bbls.....	lb	.04 : .05	French straps.....	lb	.12 1/2 : .13
Calisaya Bark, bales, powd.....	lb	.25 : .26	Chestnut Bark, bags.....	lb	.07 : .08	Powdered, boxes.....	lb	.13 : .14
Camphor, see Chemicals.....	lb	.. : ..	Herb, bales.....	lb	.06 : .06 1/2	Broken, boxes.....	lb	.. : .07
Canary Seed, Morocco bags.....	lb	.07 1/4 : .08	Chicle Gum, bags.....	lb	.82 : .85	Damar Gum, 136 lb. cases.....	lb	.27 : .28
South American, bags.....	lb	.07 : .07 1/4	Chiretta, bales.....	lb	.10 : .12	Damiana Leaves, bales.....	lb	.40 : .42
Candellia Wax, bags.....	lb	.28 : .30	Cinchona Bark, red quills bales.....	lb	.50 : .52	Dandelion Root, imp., bags.....	lb	.23 : .25
			Broken bales.....	lb	.26 : .27	Deer Tongue Leaves, bales.....	lb	.09 : .09 1/2

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Digitalis Leaves, bales.....lb	.09	: 10	Grains of Paradise, bags.....lb	.15	: 16	LADY SLIPPER ROOT, bags.....lb	.50	: .55
Dill Seed, bags.....lb	.06	: .07	Grindelia Robusta Herb, bales.....lb	.07½	: .08½	Lakapuri Seed, bags.....lb	2.50	: 3.00
Dogwood Bark, Jamaica bags.....lb	.10	: .11	Guaiac Gum, 80 lb cases.....lb	.42	: .44	Laurel Leaves, bales.....lb	.04½	: .05
American, bags.....lb	.07	: .08	Guarana, tins, cases.....lb	.60	: .65	Lavender Flowers, ordinary.....lb	.22	: .24
Doggrass Root, USP, cut bags.....lb	.10	: .11	GUM, see Arable Gum, etc.			Selected.....lb	.28	: .38
Dragons Blood, mass cases.....lb	.65	: .70	HELLEBORE ROOT,			Leeches, tubs.....Per 100	4.00	: 5.00
Reeds, boxes.....lb	.80	: .85	Black, bbls.....lb	.08	: .10	Lemon Peel, bags.....lb	.08	: .09
ECHINACEA ROOT, bags.....lb	.31	: .32	Powdered.....lb	.15	: .17	Licorice Root, Russian, whole.....lb	.07	: .07½
Elecampane Root, bags.....lb	.09	: .10	White, Powd., 250 lb bbls.....lb	.11	: .12	Spanish, natural bales.....lb	.08½	: .09
Elder Flowers, bags.....lb	.11	: .14	Helonias Root, (unicorn false)			Powdered, bbls.....lb	.09	: .09½
Elm Gum, 80 lb cases.....lb	.10	: .11	bags.....lb	.67	: .68	Selected, 2 & 5 lb bundles.....lb	.14	: .17
Elm Bark, select 5 lb bundles cases.....lb	.26	: .28	Hemp Seed, Manchurian bags.....lb	.03½	: .04	Cuttings, 125 lb bags.....lb	.06	: .06½
Grinding, bags.....lb	.23	: .24	Chilian, bags.....lb	.03½	: .04	Greek, 150 lb bales.....lb	.03	: .03½
Powdered, bbls.....lb	.23	: .24	Henbane Leaves, bales, USP.....lb	.29	: .30	Life Everlasting Herbs, bales.....lb	.05	: .06
ERGOT, 150-200 lb bags.....lb	.60	: .66	No assay.....lb	.26	: .27	Lime Juice, clarified bbls.....gal	.60	: .68
Eucalyptus Leaves, bales.....lb	.05	: .06	Renna Leaves, bales.....lb	.09½	: .10	Linden Flowers, with leaves, bales.....lb	.10	: .11
Euphorbia Piliifera Herb, bags.....lb	.10	: .11	Powdered.....lb	.12	: .13	Without Leaves, bales.....lb	.17	: .18
Euphorbia Gum, cases.....lb	.25	: .27	Honey, Calif., 120 lb cases.....lb	.12½	: .13	Liverwort Leaves, bales.....lb	.19	: .20
Powdered, boxes.....lb	.40	: .42	Hops, N. Y. prime bales.....lb	.28	: .30	Lobelia Herb bales.....lb	.34	: .36
Fennel Seed, French, bags.....lb	.10	: .10½	Pacific Coast prime bales.....lb	.25	: .27	Lobelia Seed, bags.....lb	.62	: .63
German, bags.....lb	.15	: .16	Horshound Herb, bales.....lb	.10	: .11	Lovage Root, Imported, bags.....lb	.18	: .20
Indian, bags.....lb	.07	: .07½	Horsetail Rush, bags.....lb	.15	: .15	Lupulin, boxes.....lb	1.15	: 1.20
Flax Seed, whole 180 lb bbls.....ea	13.00	: 13.50	India Gum, see Karaya			Domestic.....lb	1.15	: 1.20
Ground, 180 lb bbls.....lb	.07½	: .08	INSECT FLOWERS, open whole			Lycopodium, 88 lb cs.....lb	.55	: .57
Fenugreek Seed, 200 lb bags.....lb	.05	: .05½	Bales.....lb	.38	: .40	MACE, Siam, No. 1.....lb	.87	: .90
Fish Berries, 100-125 lb bags.....lb	.12	: .13	Closed whole, bales.....lb	.40	: .42	Banda, No. 1 cases.....lb	.92	: .94
Frince Tree Bark, bags.....lb	.20	: .21	Powdered, pure 200 lb bbls.....lb	.44	: .46	Batavia, No. 2 cases.....lb	.75	: .77
Fumigating Pastilles Black, 1 lb			Flowers and Stems, 50 p.c.			West India, cases.....lb	.75	: .77
Red, 1 lb. bbs.....lb	.17	: .18	260 lb bbls.....lb	.30	: .32	Malva Flowers, blue bales.....lb	.35	: .37
GALANGAL ROOT, bags.....lb	.08	: .09	Ipecac Root, Cartagena, bags.....lb	2.15	: 2.20	Black, bales.....lb	.55	: .60
Galbanum Gum, cans.....lb	.80	: .85	Powdered, 200 lb bbls, bxs.....lb	2.35	: 2.45	Manna, large flake cases.....lb	.77	: .79
Gambier Gum, bags.....lb	.20	: .21	Rio Whole, bags.....lb	2.10	: 2.15	Small flake, cases.....lb	.58	: .40
Gamboge Gum, 160 lb cases.....lb	.76	: .78	Powdered, 200 lb bbls, bxs.....lb	2.35	: 2.45	Sorts, cases.....lb	.30	: .30
Powdered, cases.....lb	.83	: .85	Isinglass, American, 130 lb cs.....lb	.75	: .80	Mandrake Root, bags.....lb	.11	: .12
Celestium Root, bags.....lb	.11	: .11½	Russian (Beluga) bxs, tins.....lb	4.00	: 4.50	Mastic Gum, 120 lb cans.....lb	.55	: .57
Gentian Root, bags.....lb	.08½	: .09	JABORANDI LEAVES, bales.....lb	.10	: .10½	Mezerion Bark, bags.....lb	.11	: .12
Powdered, bags.....lb	.13	: .14	Jalap Root, whole, 150 lb bags.....lb	.29	: .35	Matico Leaves, bales.....lb	.12	: .13
Ginger, African, bags.....lb	.20	: .20½	Powdered, USP, 250 lb bbls.....lb	.34	: .36	Marjoram Leaves, German bales.....lb	.29	: .31
Jamaica, grinding, bags, bbls.....lb	.26	: .32	Japan Wax, White, bags.....lb	.15½	: .16	French, bales.....lb	.40	: .45
Japan, bags.....lb	.16½	: .17	Job's Tears, White, bags.....lb	.08	: .09	Millet Seed, dom. yellow bags.....lb	.03½	: .04
Cochin, ABC & Lemon, bags.....lb	.21½	: .22	Juniper Berries, 125 lb bags.....lb	1.05	: 1.10	Montan Wax, crude bags.....lb	.05½	: .06
Ginseng Root, cultivated, bags.....lb	8.00	: 10.00	KAMALA, boxes.....lb	.10	: .18	Bleached.....lb	.07½	: .08
Northwestern Wild, bags.....lb	12.00	: 14.00	Kava Kava Root bags.....lb	.12	: .12½	Moss, Iceland bales.....lb	.09	: .09½
Southern Wild, bags.....lb	9.00	: 11.00	Kino Gum, black cases.....lb	.50	: .55	Selected, bales.....lb	.12	: .13
Golden Seal Root, bags.....lb	3.50	: 3.70	Kola Nuts, 150 lb bags.....lb	.04½	: .05	Mullein Flowers, tins.....lb	.90	: 1.00
Powdered, boxes.....lb	4.00	: 4.10	Kousoe Flowers, bags.....lb	1.50	: 1.75			

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Tonquin.....oz	22.00	: 25.00	Pennyroyal Herb, bales.....lb	.08	: .12	Rose petals, pale.....lb	.22	: .25
Grain Cab.....oz	25.00	: 26.00	Pepper, black Sing. bags.....lb	.18½	: .14½	Red.....lb	.65	: .70
Tonquin.....oz	35.00	: 38.00	White, bags.....lb	.18½	: .19	Rue Herb, bales.....lb	.18	: .22
Synthetic, see Chemicals			Peppers, red Mombasa, bags.....lb	.10½	: .11	SABADILLA SEED, bags.....lb	.13	: .14
Musk Root, Russian, bags.....lb	2.00	: 2.10	Cherries, bags.....lb	.14	: .16	Powder, bbls.....lb	.18	: .19
Mustard Seed, Bari brown bags.....lb	.11	: .11½	Bombay, bags.....lb	.12	: .14	Saffron Flowers, Amer. bales....lb	.60	: .64
Bombay, brown.....lb	.09	: .10	Japan, bags.....lb	.22	: .24	Valencia, 1lb cans.....lb	43.00	: 44.00
California, brown.....lb	.11	: .11½	Peppermint Leaves, imp. bales....lb	.22	: .24	Sage, Dalmatian bales.....lb	.05	: .05½
Yellow.....lb	.05	: .05½	Cuts, bales.....lb	.12	: .14	Greek, bales.....lb	.04½	: .05
Chinese yellow.....lb	.05	: .05½	Domestic leaf.....lb	.18	: .19	Spanish, bales.....lb	.03	: .03½
English, yellow.....lb	.09½	: .10	Peru Balsam, see Balsams			Sandalwood, chips bags.....lb	.17	: .18
Dutch, yellow.....lb	.08	: .08½	Pichi Leaves, bags.....lb	.23	: .25	Ground, bags.....lb	.21	: .22
Danish, yellow.....lb	.08½	: .09	Pimento, select bags.....lb	.08	: .08½	Sandlac Gum, 300 lb bbls.....lb	.44	: .46
Myrrh Gum, select 200 lb cases.....lb	.24	: .26	Pink Root, true bags.....lb	.80	: .85	Sarsaparilla Root, Honduras, bales....lb	.65	: .70
Sorts, cases.....lb	.20	: .22	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales.....lb	.19	: .21
MUTGALLS, Chinese, bags.....lb	.17	: .18	Pleurisy Root, bags.....lb	...	: .22	Sassafras Bark, ordinary bales....lb	.15	: .17
Aleppv. bags.....lb	.14	: .15	Plantain Leaves, bales.....lb	...	: .15	Select, bales.....lb	.29	: .30
Nutmegs, 110s cases.....lb	.55	: .57	Poke Berries, bags.....lb	...	: .15	Savory Leaves, bales.....lb	.06	: .06½
75s, 80s, cases.....lb	.59	: .61	Poke Root, bags.....lb	.10	: .10½	Saw Palmetto Berries, bags.....lb	.08½	: .09
Nux Vomica Buttons, bags.....lb	.05	: .05½	Pomegranate Bark, of root bags....lb	...	: .20	Scammony Root, boxes.....lb	1.50	: 1.80
Powdered, 200 lb bbls.....lb	.08	: .09	Of Fruit, bags.....lb	...	: .20	Scammony Root, bags.....lb	.68	: .69
SAK BARK, red bags.....lb	.05	: .06	Of Tree.....lb	...	: .20	Serges Root, bags.....lb	.21	: .23
White, bags.....lb	.06	: .07	Poppy Flowers, red bags.....lb	.25	: .28	SENNA, Alex 150 lb cases.....lb	.21	: .23
Olibanum Gum, sift 280 lb cases.....lb	.11	: .11½	Poppy seeds, Dutch, bags.....lb	.10½	: .11	Half Leaf, 350 lb bales....lb	.13	: .15
Tears, 280 lb cases.....lb	.11	: .11½	German, bags.....lb	.10½	: .11	Siftings, 400 lb bales.....lb	.10	: .11
No. 1, all white 280 lb cases.....lb	.22	: .23	Turkish, bags.....lb	.09½	: .10	Powdered, 200 lb bbls.....lb	.14	: .14½
Opium, gum, USP, cases.....lb	12.00	: 13.00	Blue Indian, bags.....lb	...	: .08	Grinding, 350 bales.....lb	.05	: .07
Granular, cans.....lb	13.00	: 14.00	White Indian, bags.....lb	.26	: .28	Powdered, 200 lb bbls.....lb	.14	: .14½
Powdered, USP, cans.....lb	13.00	: 14.00	Prickly Ash Bark, Southern, bags....lb	...	: .28	Pods, 350 lb bales.....lb	.13	: .14
Orange Flowers, cases.....lb	.50	: 1.00	Northern, bags.....lb	.14	: .16	Serpentaria Root, bags.....lb	.82	: .84
Orange Peel, bitter, bags.....lb	.07½	: .07¾	Prickly Ash Berries, bags.....lb	.25	: .30	Shellac, D.C., bags.....lb	.82	: .84
Sweet, bags.....lb	.10	: .10½	Pulsatilla Herb, bags.....lb	.16	: .18	V.S.O. bags.....lb	.82	: .84
ORRIS ROOT, Florentine bold bags....lb	.09	: .10	Pumpkin Seed, bags.....lb	.14	: .16	Diamond I. bags.....lb	.82	: .84
Powdered, 200 lb bbls.....lb	.12	: .13	QUASSIA CHIPS, bags.....lb	.07	: .07½	Superfine, Orange, bags.....lb	.67	: .69
Verona, bags.....lb	.08	: .09	Queen of the Meadow Herb, bags....lb	...	: .06	Fine, bags.....lb	.66	: .68
Powdered, 200 lb bbls.....lb	.10	: .11	Quince Seed, bags.....lb	.78	: .80	T.N., bags.....lb	.63	: .65
Fingers, cans.....lb	.50	: .55	RAPE SEED, South Amer. bags....lb	.08	: .06½	Garnet, A. C.....lb	.61	: .63
Ozokerite Wax, brown hard bags....lb	.22	: .24	Dutch, bags.....lb	.06½	: .07	Button bags.....lb	.79	: .81
Green, hard bags.....lb	.27	: .28	Japanese, small, bags.....lb	.06	: .06½	Bleached, ground, bbls.....lb	.61	: .63
Refined, yellow bags.....lb	...	: ...	Raspberries, dried boxes.....lb	.56	: .60	Bone Dry, bbls.....lb	.73	: .74
PAPRIKA, bags.....lb	.18	: .24	Red Saunders.....lb	.17	: .19	Samaruba Bark, bales.....lb	.07	: .08
Hungarian.....lb	.26	: .28	Rhazary Root, bags.....lb	.09	: .10	Sideritis Herb, cut bags.....lb	.15	: .18
Parsley Seed, bags.....lb	.09	: .10	RHUBARB, Root, H.D., cases.....lb	.35	: .37	Skullcap Leaves, Eastern, bales....lb	.65	: .70
			Powdered, 200 lb bags.....lb	.43	: .45	Western, bales.....lb	.34	: .38
			Rosemary Leaves, bales.....lb	.04½	: .05	Sloe Berries, bags.....lb	.03	: .04

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Snake Root, Canada natural, bags..	.35	.31
Stripped, bags50	.85
SOAP BARK, whole, 150-200 lb		
bales .....	.08	.08½
Cut, 125-175 lb bags .....	.09¼	.10
Crushed, 200 lb bbls. ....	.10	.10½
Powdered, 200 lb bbls. ....	.13	.14
Spearment Leaves, American bales..	.15	.22
Spermaceti, blocks, cakes, cases..	.38	.43
Spikenard Root, bags .....	.25	.26
Spruce Gum, boxes	1.00	1.50
Squaw Vine, bales .....	.18	.20
Squills, white .....	.05	.06
Powdered, bulk .....	.12	.14
Stavesacre Seed, bags .....	...	...
Sticklac, Siam, 250 lb bales....	.46	.48
Stillingia Root, bags .....	.11¼	.12
Stone Root, bags .....	.09	.10
Styrax, liquid artif. ....	.65	.70
Gen. USP. ....	.85	.95
St. Ignatius Beans, bags .....	.12	.13
St. John's Bread, bags .....	.03	.05
Stramonium Leaves, bales....	.07¼	.08
Stramonium Seed, bags .....	.12	.13
Strophanthus Seed, Hlapius....	1.00	1.25
Kombe, bags	1.00	1.25
Sunflower Seed, domestic bags...	.06	.06½
South American, bags .....	.05	.05½
TAGALDER BARK, bags .....	.05	.06
Tamarinds, bbls. ....	.05	.05½
Kegs .....	...	3.50
Tansy Herb, bales .....	.18	.19
Tar, Barbadoes, 50 gal. bbls....	1.40	1.50
Thus Gum, 280 lb bbls. ....	.07¼	.08
Thyme, Spanish bales .....	.08	.08½
French, bales .....	.11	.11½
Tilia, see Linden		
Tolu Balsam, see Balsams		
Tonga Bark, bags .....	.27	.29
Tonka Beans, Angostura, cases...	2.15	2.25
Para, cases .....	.90	1.00
Surinam, cases .....	...	...

Tragacanth Gum, No. 1, ribbon	1.15	1.20
160 lb ca. ....	...	...
No. 2 to No. 6, cases....	.90	1.16
Powdered, 50 lb boxes .....	.80	.82
Turkish, cases .....	.70	.85
Turmeric Root, Madras bags....	.13	.13½
Aleppy, bags .....	.11	.11½
Powdered .....	.12	.13
China, bags .....	.09	.09½
Turpentine, Venice, true 80 lb ca..	.15	.16
Artificial, 80 lb cases .....	.11	.13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Heloni		
True, see Aletris		
Uva Ursi Leaves, bales .....	.04¼	.05
VALERIAN ROOT, Belgian bags..	.13	.14
Vanilla Beans Mex. whole cases..	11.00	12.00
Cuts, cases	9.00	9.50
Bourbon, cases	9.00	9.50
South American, cases .....	...	...
Tahiti, yellow label cases....	7.00	7.50
Green Label, cases .....	...	...
Vetivert Root, 100 lb bags....	.25	.26
Violet Flowers, bags .....	.70	.80
Wahoo BARK, of root bags....	.85	.90
Of Tree, bags .....	.40	.42
White Pine Bark, rossed, bags..	.07¼	.08
White Poplar Bark, bags .....	.06	.07
Wild Cherry Bark, thin green		
Rosced, bales .....	.12	.13
Thick Rosced, bales .....	.08	.09
Thin Natural, bales .....	.08¼	.09½
Thick Natural, bales .....	.05	.06
Willow, bark bags .....	...	.06
White, bags .....	...	.15
Witch Hazel Bark, bgs. ....	.07	.08
Witch Hazel Leaves, bales....	.07¼	.08
Worm Seed, American bags....	.08½	.09
Levant, bags	2.75	4.00
Wormwood Herb, imported bales..	...	.10
Yacca Gum, red .....	.04	.04¼
Ground .....	.05¼	.06¼
YELLOW DOCK ROOT, bags....	.12	.14
Yellow Parilla Root, bags....	.16	.17
Yerba Santa, bags .....	.09	.09½
Zedoary Root, bags .....	.11	.12

Essential Oils

Almond Bitter USP, 5 lb bot....	3.15	3.25
Bitter ff PA 5 lb bota....	3.25	3.50
Sweet, 56 lb cans .....	.85	.90
Peach Kernel, 55 lb tins....	.28	.30
Apricot, see Peach Kernel		
Amber, crude 25 lb tins....	.70	.75
Rectified, 25 lb tins....	.85	.90
Angelica Root, 1 lb bot....	28.00	30.00
ANISE, Tech., 66 lb case....	.58	.60
USP, 50 lb tins .....	.60	.62
Bay, 25 lb tins	2.20	2.30
Bergamot, 25 lb coppers....	3.65	3.90
Artificial, 25 lb cans	2.20	2.35
Birch Tar, rect. 5 lb bot....	.75	.80
Crude, 50 lb tins .....	.30	.50
Bois de Rose, 25 lb tins....	4.75	5.00
Cade, 25 lb cans .....	.35	.40
Cajuput, native, 50 lb tins....	.75	.80
Calamus, 5 lb bot	4.20	4.65
Camphor, heavy, 1000 lb drums..	14¼	.15
Japanese, white, 72 lb cases..	.14	.14¼
White, 1000 lb drums .....	.13¼	.14
Cananga, native 25 lb tins	2.00	2.25
Rectified, 25 lb tins	2.50	3.00
Caraway, USP	2.80	3.00
Cardamom, USP, 1 lb bot....	35.00	37.00
Carvol, 5 lb bot	9.50	10.50
CASSIA, 80-85 p.c. 400 lb drn.	...	...
Redistilled, USP, 50 lb cans..	2.70	2.90
Cedar Leaf, 50 lb tins....	.85	.95
Cedar Wood, light 100 lb drums..	.80	.90
Celery, 1 lb bot	10.00	11.00
Chaulmoogra, 80 lb cases....	.85	.90
Cinnamon, Ceylon, 1 lb bot....	11.00	12.50
Leaf, 5 lb bot	1.40	1.50
CITRONELLA, Ceylon		
1000 lb drums .....	.75	.82
50 lb tins78	.85
Java, 400 lb drums
50 lb tins
Cloves, USP, 50 lb cans....	2.00	2.10
6 lb bot	2.10	2.20

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Copaiba, USP, 50 lb tins.....	45	: 50
Coriander, USP, 1 lb bot.....	10.75	: 11.00
Croton, USP, 25 lb tins.....	.95	: 1.00
Cubeba, USP, 5 lb bot.....	4.50	: 4.75
Cumin, 1 lb bot.....	11.00	: 11.50
Dill, 1 lb bot.....	4.25	: 4.50
Erigeron, 20 lb tins.....	3.75	: 4.00
EUCALYPTUS, Austl. USP,		
50 lb ca.....	.59	: .61
500 lb drums.....	.57	: .59
Fennel, USP, 25 lb tins.....	.90	: 1.10
Geranium, Algerian, 25 lb tins..	7.25	: 7.75
Bourbon, 25 lb tins.....	7.00	: 7.50
Turkish, 25 lb tins.....	4.25	: 4.50
Ginger, 1 lb bot.....	12.00	: 13.00
Gingergrass, 25 lb tins.....	3.90	: 3.25
Hemlock, 50 lb cans.....	.82	: .85
Juniper Berries, USP, 25 lb tins.	1.85	: 2.00
Wood, 50 lb tins.....	.50	: .60
Lavender, USP, 25 lb tins.....	5.50	: 8.00
Spike, Spanish, 50 lb cans.....	1.10	: 1.25
LEMONGRASS, Ital. USP, 25 lb tins..	1.00	: 1.20
American, USP, 25 lb tins.....	.85	: .90
LEMONGRASS, native, 50 lb cans..	1.20	: 1.30
Limes, Express, 25 lb tins.....	2.25	: 2.35
Distilled, 25 lb tins.....	1.20	: 1.35
Linaloe, Mex. 50 lb cans.....	3.50	: 3.75
Mace, distilled, 80 lb tins.....	1.60	: 1.70
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.....	...	: 14.00
Artif., USP, 1 lb bot.....	3.00	: 3.25
Neroli, Bigarade, 1/2 & 1 lb bot....	40.00	: 60.00
Petale, 1 lb bot.....	90.00	: 120.00
Artificial, 1 lb bot.....	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	1.60	: 1.70
Orange, bitter, 25 lb tins.....	2.60	: 2.75
Sweet, W. Ind., 25 lb tins.....	2.70	: 2.80
Italian, 25 lb cop.....	2.90	: 3.20
American, 25 lb tins.....	2.75	: 2.80
Distilled, 25 lb tins.....	1.40	: 1.50
Spanish, 25 lb tins.....	2.80	: 2.90
Origanum, 50 lb cans tech.....	.80	: .85
Parsley, 1 lb bot.....	3.50	: 4.00
Patchouli, 5 lb bot.....	4.50	: 5.50
Pennyroyal, dom., 25 lb tins.....	2.00	: 2.15
Imported, 25 lb tins.....	1.65	: 1.70
PEPPERMINT, nat., 60 lb cases.....	10.00	: 10.25
Redis, USP, 60 lb cases.....	10.50	: 10.75
Petit Grain, S. A., 25 lb tins.....	2.10	: 2.20
French, 1 lb bot.....	7.00	: 8.00
Italian, 25 lb tins.....	2.25	: 2.35

Pimento, 25 lb tins.....	2.50	: 2.60
Pinus Sylvestris, 25 lb tins.....	...	: 1.40
Pumilio, USP, 25 lb tins.....	...	: 2.25
Rose, Fr., S. 16 & 32 oz phgs..	...	: 9.00
Bulg., S. 16 & 32 oz phgs..	8.00	: 9.00
Artificial, 1 lb bot.....	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins....	.42	: .46
1000 lb drums.....	.35	: .40
Tech., 27 1/2 lb tins.....	.35	: .40
Rue, 1 lb bot.....	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases.	6.85	: 7.10
W. Indian (Amoyis) 25 lb tins..	2.80	: 2.90
Sassafras, USP, 50 lb cans.....	1.20	: 1.30
Artificial, 1000 lb drs., 60 lb cans	.34	: .36
Savin, 5 lb tins.....	2.25	: 2.40
Spearmint, USP, 60 lb cases.....	4.35	: 4.60
Spruce, 50 lb tins.....	.82	: .85
Tansy Amer., 20 lb tins.....	3.20	: 3.30
Tar, 50 gal. bbls.....	.25	: .26
Refined, USP 25 lb tins.....	...	: ...
Thyme, red, USP, 25 lb tins.....	.85	: 1.00
White, USP, 25 lb tins.....	1.00	: 1.10
Tech., 110 lb drums.....	.30	: .35
Vetivert, Bourbon 1 lb bot.....	12.00	: 14.00
Indian, 1 lb bot.....	30.00	: 32.00
Java, 1 lb bot.....	20.00	: 22.00
Wine, heavy 1 lb bot.....	...	: 1.50
WINTERGREEN		
Sweet beh., 25 lb tins.....	2.50	: 3.00
Southern, 25 lb tins.....	1.85	: 2.00
Gaultheria, true 25 lb tins.....	7.00	: 8.00
Southern, 25 lb tins.....	3.75	: 4.00
Synthetic, USP, 50 lb cans.....	...	: .47
Wormwood, Balt., USP, 25 lb tins..	3.25	: 3.40
Wormwood, dom., 25 lb tins.....	4.00	: 4.50
Ylang Ylang, Bourbon 10 lb tins		
No. 1.....	6.00	: 8.00
No. 2.....	5.00	: 6.00
Manila, 1 lb bot.....	28.00	: 40.00
Artificial, 1 lb bot.....	10.00	: 12.00

OLEORESINS

Aspidium, USP, 1 lb bot.....	2.75	: 3.00
Caryocarpus, USP, 5 lb bot.....	2.50	: 2.75
Cubeb, USP, 1 lb bot.....	4.00	: 4.50
Ginger, 5 lb bot.....	4.25	: 4.75
Malefern, See Aspidium		
Orris 1 lb bot.....	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	3.50	: 4.00
Vanilla, 1 lb bot.....	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.25	: 1.75
Borneol, 1 lb bot.....	...	: 3.50
CITRAL, 25 lb cans.....	3.00	: 3.50
Citronellal, 1 lb bot.....	2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans..		
...	...	: .85
Eugenol, USP, 25 lb cans.....	3.25	: 3.50
Geraniol, Domestic, 50 lb cans..	3.50	: 4.00
Imported, 5 lb bot.....	3.75	: 4.50
Iso-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	5.25	: 6.25
Linalol, 5 lb bot.....	6.00	: 6.25
From Bois de Rose, 5 lb bot....	7.00	: 7.50
MENTHOL, 60 lb cases.....	...	: 13.00
Less cases, 5 lb cans.....	...	: 13.50
Rhodinol, 1 lb bot.....	18.00	: 21.00
Extra, 1 lb bot.....	40.00	: 47.00
SAFROL, 60 lb cans.....	.45	: .47
Thymol, USP, 25 lb tins.....	5.50	: 6.00

SYNTHETIC AROMATICS

Acetaldehyde, 50% solupure, 5 lb bot.	1.75	: 2.00
Acetophenone, CP, 1 lb bot.....	4.25	: 4.50
Aldehyde, C-8 (Octyl), 1 lb bot..	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.	...	: ...
Aldehyde, C-14, 1 lb bot.....	27.50	: 32.50
Aldehyde, C-16, 1 lb bot.....	22.50	: 25.00
Aldehyde, C-18, 1 lb bot.....	70.00	: 80.00
Anisole, pure 5 gal. cans.gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	4.00	: 4.50
Amyl Formate, 1 lb bot.....	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot....	4.50	: 5.00
AMYL SALICYLATE, dom. 100 lb		
chys.....	1.45	: 1.50
Imported.....	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	3.75	: 4.25
ENZALDEHYDE, USP, 40 lb chys..	1.40	: 1.50
FFC, 40 lb chys.....	1.50	: 1.65
Benzoin Ether, See Ethyl Benzoin		
Benzophenone, 1 lb bot.....	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	1.55	: 1.75

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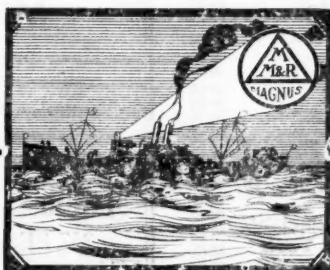
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Benzyl Alcohol, 5 lb. bot.	1.45	: 1.55	Iso-Butyl Benzoate, 5 lb. bot.	4.75	: 5.00	Skatol, 1 oz. bot.	7.00	: 7.25
BENZYL BENZOATE, 5 lb. bot.	1.60	: 1.75	Iso-Safrol, 1 lb. bot. imported.	5.00	: 5.25	Terpinyl Acetate, 25 lb. cans.	1.65	: 1.85
Medicinal PFC.	1.75	: 2.00	Domestic, 5 lb. bot.	4.00	: 4.25	Imported, 25 lb. cans.	1.90	: 2.20
Benzyl Butyrate, C.P., 1 lb. bot.	5.50	: 6.00	Linalyl Acetate, 1 lb. bot. Dom.	8.00	: 8.50	TERPINEOL, CP, 1000 lb. drums. ....	.42	: .44
Benzyl Cinnamate, 1 lb. bot.	10.00	: 10.50	Imp., 1 lb. bot.	8.00	: 8.50	Cans. 50 lb. ....	.47	: .49
Benzyl Formate, 1 lb. bot.	3.00	: 3.25	Linalyl Benzoate, 1 lb. bot.	13.00	: 14.00	Absolute, 25 lb. cans. ....	.80	: .90
Benzyl Propionate, 1 lb. bot.	5.00	: 5.25	Linalyl Formate, 5 lb. bot.	10.50	: 12.00	Imported, 25 lb. cans. ....	.50	: .55
Benzyl Acetate, 1 lb. bot.	3.00	: 3.50	Methyl Acetophenone ...	4.75	: 5.00	VANILLIN, USP, 500 oz. cans. ....	.47	: .49 1/4
Bromostyrol, 25 lb. cans.	3.50	: 4.00	METHYL ANTHRANILATE dom.,			Cans. 16 oz., 80 oz. ....	.50	: .51
Butyl Anthranilate, 1 lb. bot. dom. ....	...	: 16.00	1 lb. bot.	2.75	: 3.25	Second Hands. ....	.47	: .50
Butyric Ether, See Ethyl Butyrate			Imported ...	3.00	: 3.25	Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb. cans.	3.00	: 3.25	Methyl Benzoate, 5 lb. bot. import.	2.00	: 2.25	Yara Yara, 1 lb. cans.	1.75	: 2.00
Cinnamic Alcohol, liquid 1 lb. bot.	9.00	: 9.50	Domestic, 5 lb. bot.	1.75	: 2.00			
Crystallizable ...	9.50	: 10.00	Methyl Cinnamate, 1 lb. bot.	3.50	: 3.75			
Cinnamic Aldehyde ...	3.50	: 3.75	Methyl Heptenone, 1 lb. bot.	8.00	: 8.25			
CITRONELLOL, 1 lb. bot.	9.00	: 11.00	Methyl Paracresol, 1 lb. bot.	8.00	: 9.00			
Imported, 1 lb. bot.	10.00	: 12.00	Methyl Phenylacetate, 5 lb. bot. dom.	3.75	: 4.00			
Chlorocetyl Acetate, 1 lb. bot.	13.00	: 14.00	METHYL SALICYLATE, USP 500 lb.					
CAUMARIN, 25 lb. cans.	3.25	: 3.45	drums ...	...	: .45			
DIETHYL PHTHALATE, 25 lb. cans. ....	.40	: .45	50 lb. cases ...	...	: .47			
1000 lb. dra. ....	.35	: .40	Second Hands ...	.44	: .45			
Diphenylchloride, 25 lb. cans. ....	.85	: .90	Mirbane, rect., 1000 lb. drums.	12 1/4	: .14			
Ethyl Acetate, pure, 5 lb. bot. ....	.45	: .50	Musk Ambrette, 1 lb. cans.	11.75	: 12.25			
Ethyl Benzoate, 5 lb. bot.	1.85	: 2.00	Musk Ketone, 5 lb. cans.	14.50	: 15.00			
Ethyl Butyrate, 5 lb. bot.	1.75	: 2.00	Musk Xylene, 5 lb. cans.	3.65	: 3.80			
Ethyl Caproate, 1 lb. bot.	3.25	: 3.50	Nerolin, 1 lb. cans.	1.65	: 2.00			
Ethyl Cinnamate, 1 lb. bot.	3.50	: 3.75	Omanthle Ether, 1 lb. bot.	1.50	: 2.00			
Ethyl Formate, 5 lb. bot.	2.00	: 2.10	Para-Cymene, Refd., 110 gal. drs. gal.	2.25	: 2.50			
Ethyl-methyl Paracresol, 1 lb. bot.	3.25	: 3.50	Phenylacetaldehyde, Dom.,					
Ethyl Phenylacetate, 5 lb. bot.	3.75	: 4.00	1 lb. bot. 50 p.e.	8.00	: 8.50			
Ethyl Propionate, 1 lb. bot.	2.25	: 2.50	Imported, 50 p.e.	7.50	: 8.00			
Ethyl Valerate, 5 lb. bot.	4.50	: 4.75	80-85 p.e.	14.00	: 16.00			
Ethyl Salicylate, 5 lb. bot.	3.25	: 3.50	Phenylacetic Acid, 1 lb. bot.	3.00	: 3.25			
Formic Ether See Ethyl Formate			Phenyl Diacetate, 1 oz. bot.	3.25	: 3.50			
Geranyl Acetate, 1 lb. bot.	5.00	: 5.50	PHENYLETHYLALCOHOL dom.					
Geranyl Butyrate, 1 lb. bot.	13.00	: 13.50	1 lb. bot.	8.00	: 10.00			
Geranyl Formate, 1 lb. bot.	12.00	: 12.50	Imported ...	7.00	: 7.75			
Heliotropin, dom., 100-10 lb.	1.85	: 2.00	Phenylethyl Butyrate, 1 lb. bot.	26.00	: 28.00			
Imported ...	2.25	: 2.50	Phenylethyl Formate, 1 lb. bot.	19.00	: 21.00			
Hydroxycitronellal, 1 lb. bot.	12.00	: 14.00	Phenylethyl Propionate, 1 lb. bot.	20.00	: 24.00			
Indol, CP, 1 oz. bot.	6.00	: 6.50	Phenylethyl Valerate, 1 lb. bot.	25.00	: 29.00			
Isoeone, 1 lb. bot. 100%	10.00	: 11.00	Phenylpropylalcohol, 1 lb. bot.	15.00	: 16.00			
Alpha ...	14.50	: 16.00						
Beta ...	12.75	: 14.50						
Methyl ...	16.00	: 18.00						

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- OPIUM**—10 cs., Brown Bros. & Co., Smyrna
- POTASSIUM SALTS**—200 bgs., Order, Hamburg; Alum, 250 cks., C. Hardy Inc., Hamburg; 435 brls., Order, Hamburg; 66 brls., Cooper & Cooper, Hamburg; Bromide, 10 cs., Lo Curto & Funk, London; 20 cs., Order, Hamburg; Carbonate, 15 cks., Parsons & Petit Co., Hamburg; Chlorate, 2,000 cks., Irving Bk., Hamburg; 100 cks., Monmouth Chem. Co., Hamburg; Murate, 1,000 bgs., Potash Imptg. Corp. of Amer., Bremen; Nitrate, 1,005 bgs., Kuttroff Pickhardt & Co., Rotterdam; Prussiate, 36 kgs., Order, Liverpool
- PYRIDINE**—1 drum, R. W. Greeff & Co., Hamburg; 14 drs., Order, Hamburg
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- SAFFRON**—1 cse., A. E. Rittwagen, Alicante; 1 cse., H. Schoenfeld, Alicante; 1 cse., Strohmeier & Arpe Co., Alicante; 1 cse., Order, Alicante
- SAL AMMONIAC**—2 cks., Roessler & Hasslacher Chem. Co., Hamburg; 13 brls., Order, Hamburg
- SEEDS**—11 bgs., A. Stallman & Co., Hamburg; 36 bgs., Order, Hamburg; 66 bgs., Order, Hamburg; Anise, 320 bgs., Order, Malaga; Canary, 200 bgs., Order, Barcelona; 100 bbls., W. Tappenbeck, Rotterdam; Caraway, 300 bgs., Order, Rotterdam; Castor, 700 bgs., Nat. City Bk., Pernambuco; 200 bgs., Seaboard Nat. Bk., Pernambuco; 3,300 bgs., Order, Pernambuco; Colchicum, 42 bgs., Bradshaw & Co., Marseilles; 12 bgs., Champen Co., Marseilles; Coriander, 20 bgs., Dodge & Olcott, Hamburg; Cumin, 70 bgs., Order, Alicante; Fennel, 25 bgs., Champen Co., Marseilles; Poppy, 200 bgs., Ideal Trdg. Co., Rotterdam; 20 bgs., Order, Rotterdam; 490 bgs., Order, Glasgow; Sesame, 20 bgs., G. Salvatore, Palermo; 500 bgs., A. Benadava, Smyrna
- SHELLAC**—16 cs., C. F. Gerlach, Rotterdam; Sticklac, 77 cs., Order, Marseilles
- SILVER SULFIDE**—6 cs., W. Schall & Co., So. Pacific Ports; 3 cs., Goldsmith & Co., So. Pacific Ports; 3 cs., G. Amsinck & Co., So. Pacific Ports
- SODIUM SALTS**—Cyanide, 150 drs., 121 cs., Order, Liverpool; 625 cs., Roessler & Hasslacher, Chem. Co., Hamburg; Fluoride Silico, 200 bbls., Innis Speiden & Co., Rotterdam; Hydrosulfite, 50 kgs., W. Mohrmann, Liverpool; Nitrate, 50 kgs., E. Suter & Co., Hamburg; 3,540 bgs., Order, Skein; 12,039 bgs., W. R. Grace & Co., Taltal; 8,152 bgs., W. R. Grace & Co., Iquique; 13,135 bgs., Wessel Duval & Co., Iquique; 6,929 bgs., E. I. Dupont de Nemours, Iquique; 15,617 bgs., Wessel Duval & Co., Iquique; 79 cks., Kuttroff Pickhardt Co., Hamburg; Prussiate, 44 cks., Order, Liverpool
- STRONTIUM**—Nitrate, 181 brls., Meteor Products Co., Hamburg
- SUMAC**—640 bgs., P. M. Tserioti, Larnaca
- TAR**—90 cks., Mason Co., Marseilles
- TARTAR**—408 bgs., Royal Bkg. Powder Co., Alicante; 50 bgs., R. F. Downing & Co., Alicante; 100 bgs., Archibald & Lewis, Alicante; 150 bgs., Lundt & Co., Alicante; 120 bgs., Order, Alicante; 200 bgs., Prost & Cohan, Marseilles; 100 bgs., C. Pfizer & Co., Marseilles; Cream, 100 cks., W. Neuberg, Rotterdam
- TARTRATE**—303 bgs., Royal Bkg. Powder Co., Marseilles
- TETRAHYDROETHYLENE**—124 drs., Roessler & Hasslacher Chem. Co., Hamburg
- UMBER**—73 cks., L. H. Butcher Co., Hull; Terra, 2,035 bgs., Reichard Coulston Inc., Larnaca; 880 bgs., J. Lee Smith & Co., Larnaca
- VALONIA**—7,121 bgs., Order, Smyrna; Beards, 653 bgs., Order, Smyrna
- VERDIGRIS**—10 cks., A. Klipstein & Co., Marseilles
- WAX**—5 bgs., J. J. Julia & Co., Sanchez; 24 bgs., Bk. of Amer. Alexandria; 5 bgs., Nat. Bk. of Commerce, Alexandria; Bees, 37 bgs., Order, Santiago; 4 seroons, J. J. Julia & Co., Monte Cristi; 16 bbls., D. Steenrafe, Rio de Janeiro; 5 bgs., Selma Merc. Corp., Azua; 4 bgs., J. J. Julia & Co., Azua; 3 bgs., Order, Azua; 4 bgs., Curacao Trdg. Co., Santo Domingo City; 3 pgs., Cordillera Comm. Co., Puerto Plata; Carnauba, 111 bgs., Strohmeier & Arpe Co., Ceara; 30 bgs., N. Y. Trust Co., Ceara; 175 bgs., Nat. City Bk., Ceara; 313 bgs., Lazard Freres, Ceara; 537 bgs., Order, Ceara; Montan, 1,125 bgs., East River Nat. Bk., Hamburg
- VANILLA BEANS**—21 cs., First Nat. State Bk., Marseilles; 11 cs., Thurston & Braidich, Marseilles; 6 cs., G. Lueders & Co., Havre; 38 cs., Order, Havre; 3 cs., Order, Rotterdam; 34 cs., Dodge & Olcott, London
- WINE LEES**—942 bgs., Royal Bkg. Powder Co., Buenos Aires
- WOODFLOUR**—1,000 bgs., Corn Exch. Bk., Stavanger
- WOOL GREASE**—200 bbls., Amer. Exch. Nat. Bk., Bremen

IMPORTS AT BOSTON

Dec. 6 to 13

- ACID**—Oxalic, 23 casks, R. & H. Chem. Co., Antwerp
- CASEIN**—1,384 bags, Kalbleisch Corp., Buenos Aires; 417 bags, Bank of Manhattan Co., Buenos Aires; 334 bags, Nat'l City Bk., Buenos Aires
- CHALK**—1,000 bags, Order, Antwerp; 600 bags, Billiard & Co., Antwerp
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FULLER'S EARTH—400 bags, L. A. Solomon & Bros., London.
GLAUBER'S SALT—46 bbls., Am. Exch. Nat. Bank, Antwerp.
IRON OXIDE—10 casks, Order, Liverpool.
OILS—Cod, 1,536 casks, Marden Wild Corp., St. Johns; 200 casks, Order, St. Johns; Palm Kernel, 160 casks, Lever Bros., Liverpool.
POTASH—Muriate, 2,609 bags, Order, Antwerp; Perchlorate, 50 casks, Order, Antwerp; Sulfate, 1,500 bags, Order, Antwerp.
SODIUM—Hypophosphate, 21 cases, Anguer Chem. Co., London; Nitrate, 25 casks, Kutter & Pichardt & Co., Antwerp.
TRAGACOL—105 casks, J. P. Marston Co., Liverpool.
WOOL GREASE—105 casks, Marden Wild Corp., Antwerp.
ZINC—Oxide, 25 bbls., Order, Oriental Ports.

IMPORTS AT PHILADELPHIA

Dec. 3 to 10

BARIUM DIOXIDE—124 cys., A. Ludbrin & Co., Havre.
BARK—Cinchona, 641 bbls., Order, Rotterdam.
FULLER'S EARTH—250 bgs., L. A. Solomon & Bros., London.
GLYCERIN—Soaplye, 20 drums, Order, Dunkirk; 20 cks., Order, Bordeaux; 40 pkgs., Order, Marseilles.
OIL—Cod liver, 25 bbls., Order, Rotterdam.

SAL AMMONIAC—54 bbls., R. & H. Chem. Co., Rotterdam.
SALT—256,000 kilos, Chas. Kurz & Co., Rotterdam.
SEED—Anise, 50 bags, Order, Malaga.
SHELLAC—226 bgs., Order, Calcutta.

IMPORTS AT BALTIMORE

Dec. 4 to 11

CARBON DISULFIDE AND ACETONE—2 boxes, 215 lbs., Standard Oil Co., J. A. Bostwick, Tampico.
CHALK—500 bags, Billiard & Co., Missouri, Antwerp.
COPPER OXIDE—26 kegs, National Sales Corp., Missouri, Antwerp.
FISH FERTILIZER—1,000 bags, 100 tons, F. H. Shallus Co., Schoharie, Hull.
OIL—Palm, 40 casks, Lever Bros., Ltd., Siberian Prince, Liverpool.
PEPPER—230 bags, F. H. Shallus Co., Steel Ranger, Batavia.
PITCH—80 bbls., H. H. Robertson, Schoharie, Hull.

IMPORTS AT NEW ORLEANS

Nov. 28 to Dec. 13

ACID—Oxalic, 15 casks, Order, Sweden; 9,702 lbs., Norway.
CHICLE—607 bags, Chicle Development Co., Port Barrios.
PYRIDINE—175 gals., Order, Brazil.
SODIUM NITRATE—49,518 sacks, W. R. Grace & Co., Iquique.

IMPORTS AT SAN FRANCISCO

Nov. 29 to Dec. 6

ACID—Oxalic, 20 bbls., Order, Rotterdam.
ALBUMEN—15 cases, Order, Hankow.
CAMPBOR—15 cases, Order, Kobe.
COPPER—Sulfate, 100 casks, Order, Rotterdam.
COPRA—53 bags, Pacific Coconut Co., Rarotonga; 1,705 bags, Wightman & Crane, Papeete; 4,991 bags, Kidder, Peabody & Co., Papeete; 2,001 bags, Henry Gray Co., Papeete; 2,571 bags, Order, Papeete; 3,921 bags, Atkins, Kroll & Co.
MENTHOL—1 case, Order, Sydney.
OILS—Perilla, 30 bbls., Order, Kobe; Rape-seed, 350 bbls., Order, Kobe; Sandalwood, 18 cases, Order, Sydney; Soya Bean, 118 bbls., Order, Kobe; Whale, 3 drums, Order, Wellington.
POTASH—Alum, 33 bbls., Maillard & Schmiedell, Hamburg; Carbonate, 13 casks, Order, Hamburg.
SEED—Caraway, 25 bales, Order, Rotterdam; Cummin, 204 bags, Order, London; Clover, 22 bags, Order, Wellington; Chewing Fesque, 23 bags, Order, Wellington; Poppy, 125 bags, Order, Rotterdam.
VANILLA BEANS—18 cases, Williams, Diamond & Co., Papeete; 4 cases, O'Connor, Harrison & Co., Papeete; 87 cases, Order, Papeete.
WAX—Vegetable, 50 cases, Order, Kobe.
WHITING—489 bbls. and 1,000 bags, Balfour, Guthrie & Co., Hamburg.

DR. BROWNE TALKS ON RESEARCH WORK

Dr. C. A. Browne, chief of the Bureau of Chemistry, United States Department of Agriculture, in an address before the New York Section of the American Chemical Society at the Chemists Club on Friday evening, said the nation was suffering enormous economic losses from the deterioration of foods, fabrics, wood, leather, paper and many other agricultural products. Millions of dollars are wasted annually, he asserted, by the spontaneous heating of hay, cattle feeds, grain, sugar and other agricultural commodities. The responsible factors he described as partly biological, such as moulds, bacteria, etc., and partly chemical, such as atmospheric oxygen and moisture.

Chemistry's investigation of the cotton crop, including the problem of the boll weevil, whose ravages caused an annual loss of several hundred million dollars, has revealed, according to Dr. Browne, the possibility of improving cottonseed meal as a food for animals and for man. Continuing, he said:

"The greatest agricultural crime in the history of this continent has been the lavish manner in which the early settlers squandered their supplies of potash. Colonies were founded in order to manufacture potash for

Europe's industrial needs from the ashes of trees which were felled and burned for this specific purpose.

"Our farmers until long after the war of 1812 were sellers instead of buyers of potash. Shortly after President Jefferson's famous embargo act was passed the illegal shipment of potash into Canada by bootleggers in New York and New England was as lucrative a pursuit as the similar traffic with another commodity in the reverse direction is today.

"This great economic loss of potash, for which so many abandoned farms of New England today bear witness, was purely the result of ignorance."

These are the fields, Dr. Browne said, in which the \$10,000,000 bequest of Mrs. Herman Frasch could be employed for the benefit of all classes.

Commissioner Vernon W. Van Fleet of Indiana became Chairman of the Federal Trade Commission effective Dec. 1. Judge Van Fleet, formerly judge for eight years of the Superior Court of Indiana, was at the time of his appointment to the Commission in July, 1922, a Special Assistant to the Attorney General of the United States. For the past year Judge Van Fleet has had charge of the legal work of the Commission.

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THE DRUG PRODUCTS CO., Long Island City, New York, will consider now for January first a few capable salesmen having trade following with physicians. Only high class successful men will be considered. Write fully in confidence direct, stating territory preferred, record, etc. Liberal commission.

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Index To Advertisers

American-British Chemical Supplies, Inc.	1889
American Cyanamid Co.	1846
American Oil Supply Co.	1893
Ammonia Corporation, The	1863
B & W Co., The	1860
Baird & McGuire	1882
Baker Chemical Co., J. T.	1789
Barlow, Joe	1894
Barrett Co., The	1878
Barrett Co., M. L.	1883
Battelle & Renwick	1872
Benkert & Co., W.	1896
Benner Chem. Co.	1892
Berg Industrial Alcohol Co., David	1804
Bush, Burton T.	1815
Bush & Co., W. J.	1886
Cable Chemical Works	1801
Calco Chemical Co.	1st cover
Campbell & Co., John	1729
Carbide & Carbon Chemical Corp.	1867
Carboy Co., The	1818
Carus Chemical Co.	1880
Central Dyestuffs & Chemical Co.	1880
Chemical Utilities Co.	1894
Chemical Works "Naarden"	1883
Chemische Fabrik, Dr. H. Stoltzenberg.	1652
Church & Dwight	1883
Cleveland-Cliffs Iron Co., The	1843
Commercial Solvents Co.	1891
Consumers Chem. Co.	1894
Cooper & Co., Chas.	1863
Coyne Chem. Co., Geo. S.	1894
Cronkhite, Inc., Leonard W.	1893
Daigger & Co., A.	1892
Diamond Alkali Co.	1874
Doe & Ingalls	1893
Dovan Chem. Corp.	1769
Dow Chemical Co., The	1827
Drury & Co., A. C.	1892
du Pont de Nemours & Co., E. I. Heavy Chem. Division	1870
Intermediates Department	1867
Eastman Kodak Co.	1737
Eaton-Clark Co.	1893
Economic Machinery Co.	—
Electro Bleaching Gas Co.	1868
Federal Products Co., The	1881
Fergusson, Jr., Alex. Co.	1894
Fougera & Co., E.	1863
Fries & Fries Co., The	1888
Fritzsche Bros.	1886
General Chemical Co.	1864, 1869
George Chemicals, Inc., W. F.	1879
Grasselli Chemical Co.	1865
Dyestuff Department	1790
Gray & Co., William S.	1830
Greeff & Co., R. W.	1878
Harshaw, Fuller & Goodwin Co.	1845
Henke Chemical Co.	1880
Howe & French	1892
Hydrocarbon Prods. Co.	1882
Industrial Chemical Co.	1872
Innis Speiden & Co.	1844
International Salt Co.	1877
Jordan Coal Tar Products Co.	1881

(Continued on page 1898)

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Para Toluidine	Cleves Acid
Meta Phenylene Diamine	
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Index to Advertisers

(Continued)

Kessler Chem. Co., The	1895
King & Co., E. & F.	1893
Klipstein & Co., A.	—
Lawson Corp., William C.	1881
Lennig & Co., Chas.	1894
Macauley & Co.	1895
Magnus, Mabee & Reynard, Inc.	1887, 1888
Mallinckrodt Chemical Works	1868
Mann & Co., George	1894
Martin, Gustav	1893
Mathieson Alkali Works	1829
May & Baker	1883
Merchants Chem. Co.	1892
Merck & Co.	1604
Metz & Co., H. A.	1877
Michigan Alkali Co.	1876
Millard-Heath Co.	1893
Miner Laboratories, The	1653
Miner-Edgar Co., The	1871
Monsanto Chemical Works	2nd cover
Morana, Incorporated	1885
National Aniline & Chemical Co.	1823
Nashville Industrial Corp.	1819
New Brunswick Chem. Co., The	—
Newport Chemical Works	1881, 1897
New York Quinine & Chemical Works	1860
Norvell Chemical Corp.	1870
Parsons & Petit	1803
Peabody & Co., Henry W.	1889
Philippeau, J. L.	1890
Pierce & Stevens	1894
Pfaltz & Bauer	1820
Powers-Weightman-Rosengarten Co.	1863
Presman Company, B.	1804
Raab & Co., H.	1888
Rare Metal Products Co.	1846
Rhodia Chemical Co.	1884
Rieha, Marshall, Inc.	1892
Robins & Co., G. S.	1893
Rodgers Chem. Co.	1894
Roessler & Hasslacher Chemical Co., The	4th cover
Rogers & McClellan	1893
Rohm & Haas Co.	1791
Rolls Chem. Co.	1894
Ross-Gould Co.	1880
Seaboard Chemical Co.	1884
Selden Co., The	1873
Sergeant Co., E. M.	1879
Solvay Process Co.	1875
Steel Drum & Barrel Co.	1818
Steffens, G. A.	1728
Sterling Borax Co.	1890
Suter & Co., Eugene	1791
Thompson, Hayward & Schlueter	1893
Uhe, Geo.	1882
Ulrich Chem. Co., The	1892
Ungerer & Co.	1885
U. S. By-Products Chlorides Co.	1882
U. S. Industrial Alcohol Co.	1898
U. S. Industrial Chemical Co.	1898
Victor Chemical Works	1844
Victor & Hosken	1861
Warner Chemical Co., The	3rd cover
West Co., H. T.	1892
White Tar Aniline Corp., The	1771
Whitelaw Bros. Chem. Co.	1893
Wing & Evans	1875
Winkler & Bros. Co., Isaac	1845
Wishnick-Tumpeper Chem. Co.	1892

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